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WALLACES' FARMER AND Iowa Homestead

Good Farming Clear Thinking Right Living

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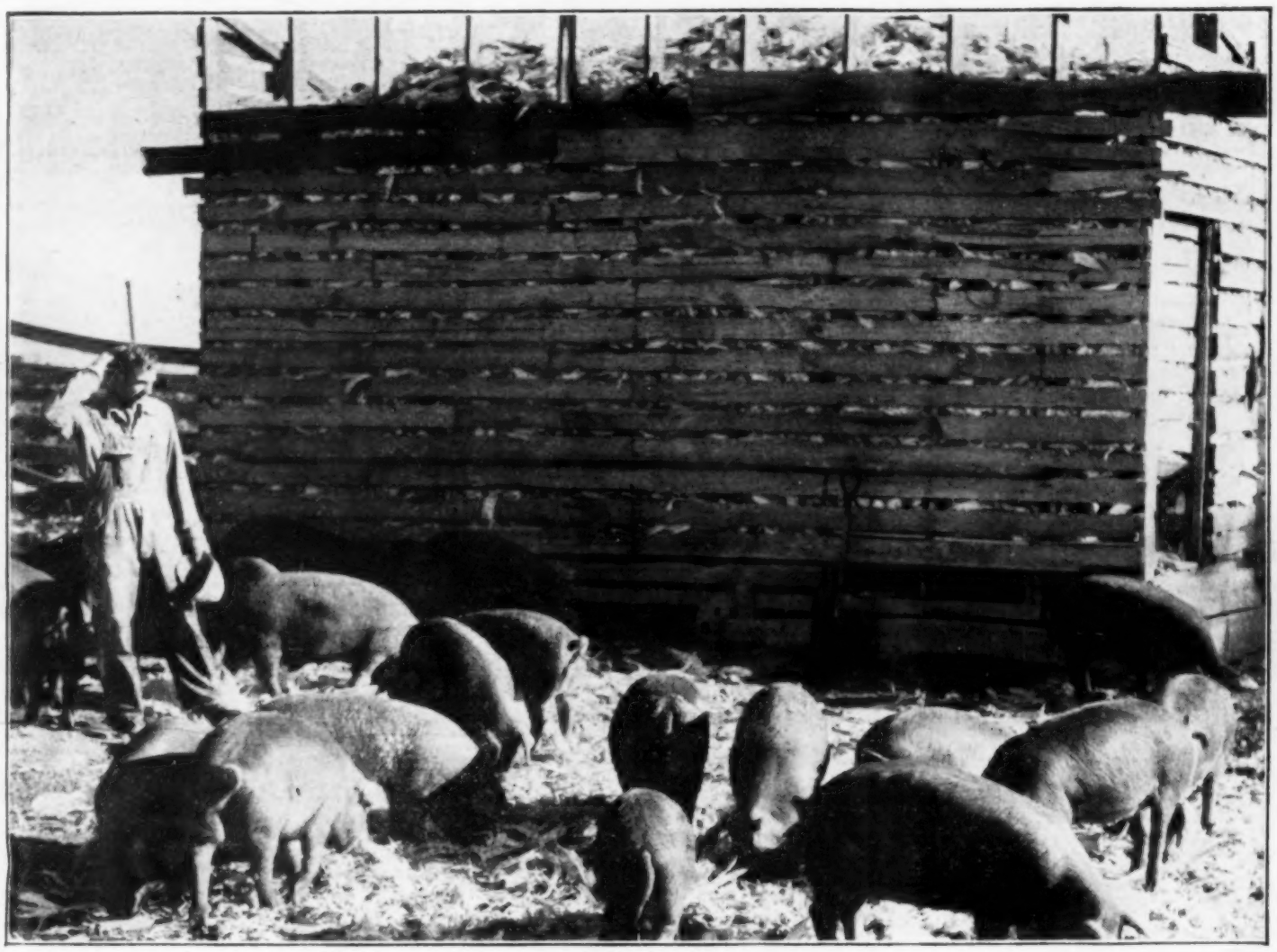


More Corn this year on the Virgil Miller farm, in Polk county, Iowa. Miller usually raises 12 litters each spring. Should he raise more pigs next year to use up the extra corn? That's one of the problems which every farmer is facing this fall.

IN THIS ISSUE

Time To Plan For Spring Pigs . Page 8

Feed Cattle Or Seal Corn? . . Page 14

Experts Say No Bust In '49 . . Page 26

Should You Make Hogs Heavy? . Page 34

Corn Into Lard?

WHAT will you do with all the corn you have piled up on your farm this year?

Only a few farmers sell corn. Most of them feed it.

And most of the feeders sell corn thru hogs.

Two questions bother farmers who have corn and expect to sell that corn in a pig-skin package:

1. Should I feed the hogs now on hand up to 275 and 300 pounds?

2. How many sows and gilts should be bred for 1949 spring pigs?

You'll find a discussion of the risks and profits of turning corn into lard on page 34. Look it over and see what you think makes sense for you.

Early pigs next spring are bound to make money—provided you can take proper care of them.

Late pigs are a tougher problem. Price supports at 90 per cent of parity will end on December 31, 1949. What happens to hogs that are marketed after that date?

The corn crop has just taken a first step toward market when you get it in the crib. What happens from now on? That's what every farmer is figuring about as he looks at the corn and looks at his hogs.

NOVEMBER 6, 1948

IOWA'S LEADING FARM NEWSPAPER

Let's Weigh the Evidence

Your scales can be a valuable ally to your judging eye! For years livestock breeders have kept weight and performance records, as well as pedigrees. Now many *commercial* producers are taking a tip from them. Recording birth weights and weaning weights of calves, pigs and lambs. Using their records to help cull, to select their likeliest breeding stock.

There is lots of evidence of the value of your scales in helping your eye. Here are just a few examples:

1) At Purdue University they weighed 7,554 pigs from 784 litters. Here's what they found. Pigs that weighed THREE pounds at birth averaged 28 pounds at weaning. But pigs that weighed TWO pounds at birth weighed only 21 pounds at weaning. Of the heavy pigs, 77% lived to weaning age, against only 49% of the light pigs. And right up to market weight, the heavier pigs had a higher rate of gain.

2) The U. S. D. A. has kept a 14-year record on beef calves. Birth weights vary from 40 to 109 pounds. Their finding: heavier-than-average calves reach a 500-pound weaning weight and 900-pound marketing weight faster than lighter-than-average calves. You know what that means! Less feed. More and quicker profit.

3) Sheep Experiment Station men at Dubois, Idaho, find they can use the scales to select breeding stock for greater production in the future. Their ewe lambs, which are heavier than average at weaning time, prove to be the best producers in total lamb weight and fleece weights.

You need a good "judging eye" to tell you whether an animal has good conformation, is true to type, etc. But the evidence of recorded weights *does* point strongly to a general rule which can *help* your eye:

Keep or buy animals heaviest at birth or weaning!

Martha Logan's Recipe for

INDIVIDUAL PORK ROASTS

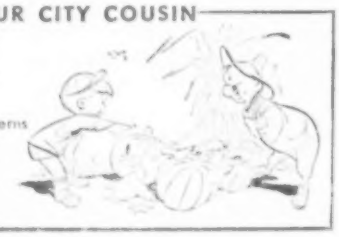
4 1-inch-thick shoulder pork chops
1 teaspoon prepared mustard
2 cups bread crumbs
1 tablespoon chopped onion
½ teaspoon sage
1 teaspoon salt

Spread chops with mustard. Make a dressing of bread, onions and seasonings with just enough water to moisten. Brown chops in a heavy skillet. When well browned, top chops with dressing pressed firm. Bake covered in a moderate oven (350°F.) for 20 minutes. Uncover and bake 15 to 20 minutes until dressing is crisp and brown. (Yield: 4 servings.)

From grass range to gas range, in our big nation most of the livestock is raised far from where it is eaten—an average of more than 1,000 miles. Swift & Company helps bridge this gap and balance the supply in one area with the demand in another. Efficient processing and distribution keep the meat moving to markets all over the country. For these services Swift *earns* a profit of a fraction of a cent a pound. This has no noticeable effect on either meat or livestock prices. It's the demand for the available supply in the nation-wide markets which governs the price of meat and thus the price of livestock. For the price we pay for animals must be based on what the meat and by-products will bring.

OUR CITY COUSIN

Cries City Cousin,
the silly child,
"Look! Jack-o'-lanterns
growing wild!"



Early Fall Roundup

Rams equipped with a web harness for holding colored chalk, help "write" their own breeding records. This device is being used in the breeding flocks of many large Wyoming ranchers. It helps owners keep their records. They know when ewes will lamb . . . which lambs are from which sire.

* * *

Control swine parasites—make more profit, suggests the University of Minnesota. Even fall pigs may be infested with internal parasites. Strict sanitation is the key to control. Clean and scrub farrowing pens with boiling lye water. Wash the sides and udders of sows with soapy water before farrowing. After farrowing keep the pigs on clean pasture until bad fall weather sets in.

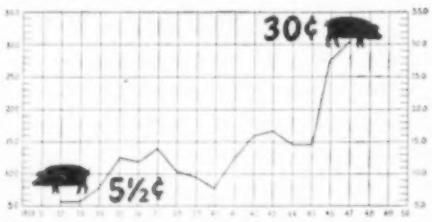
Soda Bill Sez:

It pays to say good of folks. A feller will nigh "bust" himself trying to be as good as he thinks you think he is.

Prices of Hogs May Rise or Fall But Competition Sets Them All

I have been with Swift & Company for 46 years. Most of my work has had to do with the buying of hogs and selling of pork and pork products. I would like to make a point that I believe should be of interest to you, as producers.

In July 1932, top hog price in Chicago was 5½¢ a pound. That was highest for the year. In December 1932, top hogs sold for 3¢. This year hogs hit an all-time high of more than 30 cents a pound.



No meat packing company can control either livestock or meat prices. More than 3,500 competing meat packers and 22,500 other commercial slaughterers see to that. So do 35,000,000 meat-eating families. No packer's buyer can hold down the price of livestock. No packing company could boost up the price of meat.

Now, here's the point I want to get across to you. Those prices, both lowest and highest, were set by (1) the supply of hogs, and (2) the demand for pork.

S M Lund

Mr. Lund, guest editor this month, is Vice-President of Swift & Company in charge of hog buying, processing and distribution of pork products.

Crib-Dried "Soft" Corn Beats Spoilage

by Wallace Ashby, USDA

Wallace Ashby

Artificial drying of high-moisture corn in farm cribs should help stabilize livestock production. It should enable you to hold over corn for summer and fall feeding. When your corn is too "soft," it must be sold or fed before the warm weather of spring.

Farm crib driers were tested recently by USDA agricultural engineers and cooperating State Agricultural Experiment Stations. The artificial drying of corn in existing cribs proved practical. They required but inexpensive preparation to insure an equal distribution of heated air through the corn (such as sealing ends with heavy paper).

Value of the corn was increased 10 to 70 cents a bushel, as a result of the drying operations (based on amount of drying needed and current local discounts and prices). Fuel and power costs ranged from 2½ to 9½ cents a bushel, according to moisture removed, weather, and other factors. Labor, depreciation, and insurance would add to the total cost of drying. But it still would leave a good net gain—even if the corn were sold.

Artificial drying also makes it possible for you to harvest early. More important, it enables you to hold over grain needed for feeding on the farm—without danger of spoilage, regardless of its moisture content at maturity. Thus you can plan ahead for summer and fall feeding operations. You're assured of a ready supply of grain that is essential for that final market finish.

The Red Wagon

No doubt you've seen the food trucks, so gaily painted red, that travel 'round the country, helping keep our people fed? The story of these trucks is a story you should know—it started in New England, some ninety years ago. There a boy, Gustavus Swift, who later won renown, bought a heifer, butchered it, then sold it 'round the town. Stave made a little profit—two dollars, it is said. It wasn't much to start on, but it helped him get ahead. His wagon—yes, you've guessed it—from which he sold his meat, was a vivid red in color, to be noticed on the street. Stave moved on to Boston when his trade began to grow, then headed for Chicago, where he started Swift & Co. Now the Swift trucks deliver meat and butter by the ton, and they're counted by the thousands instead of only one. To this day Swift trucks are red, that all the world may know this trademark of the business Swift started years ago . . . and on each load delivered, Swift earns a service fee—a fraction of a cent a pound, saved by efficiency.

Swift & Company

UNION STOCK YARDS, CHICAGO 9, ILLINOIS

Nutrition is our business—and yours

WALLACES' FARMER AND IOWA HOMESTEAD, November 6, 1948 (Volume 73, No. 21). Published first and third Saturdays of each month, by the James M. Pierce Corporation, Des Moines, Iowa. Subscription price, two years for One Dollar. Entered as second-class matter October 19, 1929, at the post office in Des Moines, Iowa, under the act of March 3, 1879. Copyright, 1948, by the James M. Pierce Corporation.

Make Your Own Storm Doors and Windows!

HOLD IN HEAT -- KEEP OUT COLD

Cheaper Than Glass -- No Waste -- No Putty
No Breakage -- Just Cut With Shears and Tack On

Use Warp's SPECTRONIC* TOP QUALITY WINDOW MATERIALS

38% Fuel Saving-By Test

This test of Warp's Window Materials was made on a modern, insulated, 10-room brick house, heated by gas, in winter weather averaging 29° F. Inside temperature thermostatically controlled at 72° F. day and night. For one month, *without* storm windows, gas used cost $31.50. But the next month, *with* storm windows of Warp's Material, the gas used cost ONLY $19.50—a cash saving of $12.00! This 38% saving would have been EVEN MORE if test had been made with no weather stripping around doors and windows.

Warp's Window Materials Supply Sunshine Supplement D*

90% More Eggs -- By Test

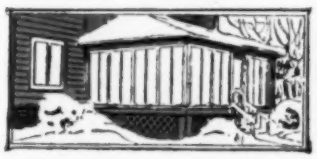
Tests at Warp's Experimental Farm showed that pullets started laying when only 5¼ months old, layed 90% more eggs during the first two months, when kept under Warp's Spectronic Window Materials, as compared with hens kept under common glass. Identical rations, consisting chiefly of farm grown grains† were used for both test flocks. Poultry and livestock *must* get Vitamin D. Why not let the Sun do it, instead of buying expensive Vitamin D. Warp's Window Materials are guaranteed to let in these valuable rays, which ordinary glass shuts out.

†(Farm grown feeds do not contain Vitamin D)

EASY TO INSTALL—Warp's Window Materials are as flexible as screening. Just cut with shears and tack on frames.

Poultry House Windows

Porch Enclosures and Covering Screen Doors

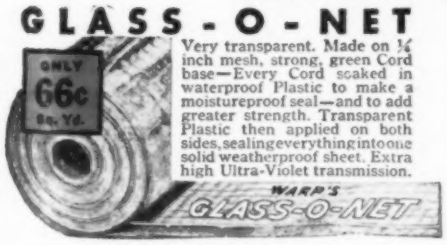


Hot Beds and Greenhouses

When you select a Window Material at your dealer's, Be sure the name "Warp's" is printed on the edge—it's your Guarantee of Years of Satisfaction

THERE ARE NO BETTER WINDOW MATERIALS THAN THOSE MADE BY WARP BROS.

GLASS-O-NET

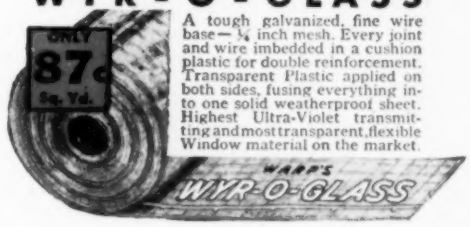


Very transparent. Made on ¼ inch mesh, strong, green Cord base—Every Cord soaked in waterproof Plastic to make a moistureproof seal—and to add greater strength. Transparent Plastic then applied on both sides, sealing everything into one solid weatherproof sheet. Extra high Ultra-Violet transmission.

FLEX-O-GLASS

Absolutely Waterproof — Unbreakable. 124 strong, preshrunk threads per square inch. Impregnated with extra high melting point Composition that will not run, discolor or melt in a window. Extra Heavy, Extra Durable. Guaranteed 2 years. Admits lots of healthful Ultra-Violet Rays from the sun.

WYR-O-GLASS



A tough galvanized, fine wire base—¼ inch mesh. Every joint and wire imbedded in a cushion plastic for double reinforcement. Transparent Plastic applied on both sides, fusing everything into one solid weatherproof sheet. Highest Ultra-Violet transmitting and most transparent, flexible Window material on the market.

SCREEN-GLASS

Fine Mesh Wire Base. Extremely Durable for Long Service. Galvanized wire screen cloth imbedded in a solid sheet of exceptionally clear, waterproof plastic which transmits and diffuses over 50% of the sun's Ultra-Violet Rays. Shatterproof, unbreakable and airtight. As flexible as window screen.

PLASTIGLASS

Warp's *new* all-plastic window material—yet thoroughly tested in actual use. Tough plastic cords, perfectly laminated between two sheets of clear waterproof plastic. Strong, durable, weatherproof, very transparent. *Stays* taut on windows; elasticity of plastic cords increases resistance to abuse. Supplies Sunshine Supplement D.

SOLD BY RELIABLE HARDWARE AND LUMBER DEALERS EVERYWHERE

WARP BROTHERS
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Pioneers and Leading Manufacturers of Flexible Window Materials. ©
WARP BROTHERS SPONSOR THE WHO BARN DANCE, EVERY SATURDAY NIGHT AT 8:15. TUNE IN!

...pork producers say "Hog Mintrate 45 helps us hustle hogs to market 3 to 4 weeks sooner!"

why this *complete* mineralized and vitamized protein concentrate puts weight on hogs fast!

MOORMAN'S HOG MINTRATE 45 CONTAINS 6 DIFFERENT PROTEINS—animal, sea food and vegetable—all scientifically proportioned and blended to help give your hogs fast growth, fine finish, thrift and vitality. Also, Hog Mintrate 45 contains 14 different mineral ingredients, supplying all the minerals hogs are known to need.

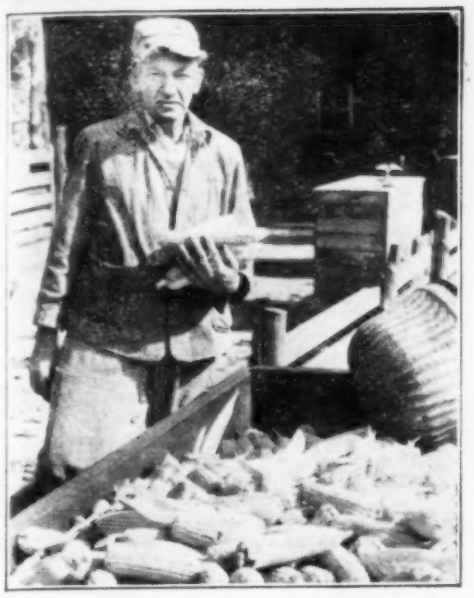
NIACIN ADDED—And in addition to the 6 proteins and 14 minerals, MoorMan's now adds NIACIN to Hog Mintrate 45. This important anti-pellegra vitamin helps prevent and overcome nutritional enteritis. Added too is Riboflavin (Vitamin G), one of the "growth" vitamins—and in winter, Vitamin D, the "Sunshine Vitamin."

HELPS YOU GET MORE FOR CORN! Because it is so well-balanced, so complete, so highly concentrated—under average conditions, 6 bushels of corn and 50 pounds of a supplement consisting of equal parts of Hog Mintrate 45, soybean oil meal, and ground alfalfa, usually produce 100 pounds of pork. If hogs bring **$20** a hundred, you can get up to **$2.94** a bushel for your corn when fed with this economical Mintrate-made supplement. Ask your MoorMan Man or write Moorman Mfg. Co., Quincy, Ill.

MoorMan's

SINCE 1885

MINERAL and PROTEIN FEEDS CUSTOM-MADE for specific needs



He Won't sell any corn. Art Esch, of Dubuque county, is like most Iowa farmers. He feeds what corn he raises.

He's Heard of the corn purchase agreement, but won't need it. Lloyd E. Sill, of Delaware county, feeds his corn.

New Crib on the Meyer farm, in Franklin county. Elmer Meyer, farming with his father, says it will come in handy.

How Many Farmers Sell Corn?

More Than 70 Per Cent of Iowa Farm Operators Say They Won't Sell a Bushel

MANY Iowa farmers don't worry much about the price of corn. Why? They don't sell any.

A farmer who feeds all his corn isn't upset when corn prices fall at harvest time. He may even buy a load or two.

Yet he has a stake in the corn price, too. Cheap corn today makes cheap hogs a year from now. And cheap beef and cheap milk some time later.

So every farmer has an interest in the corn price, even if he never sells corn.

But folks immediately concerned are those who plan to sell corn this winter. The Wallace-Homestead Poll asked:

"Do you expect to sell any new corn this winter?" Farmers responded:

Yes	**12 pct.**
No	**73 pct.**
Not sure	**15 pct.**

Add "Not sure" to "Yes" and you have less than 30 per cent who may sell their corn.

This survey does not include absentee landlords. What they do with their corn is another question. The Poll interviewed only farm operators.

More tenants than owner-operators are likely to sell corn, of course. Fifteen per cent of tenants and 11 per cent of owners say they'll sell corn. Twenty per cent of tenants and 11 per cent of owners say they are not sure.

Little farmers are more apt to sell corn than big farmers. And younger farmers—because they are more often tenants with less livestock—are planning to sell more corn than older men.

One man who won't sell corn is a feeder in Cherokee county, who said: "I feed all the corn and grain I raise to livestock, and have to buy some every year."

Another doubtful farmer in Tama county declared: "I always have fed all our corn but with a bumper crop and stock cattle too high, I may seal."

"If corn drops below the loan price, I may seal mine and buy outside corn to feed," said a Union county man.

If a farmer plans to sell corn, is he likely to sell at once, to seal, to use a corn purchase agreement, or what?

The Wallace-Homestead Poll asked those who intend to sell:

"What will you do if the new crop sale opens 15 to 20 cents below sealing price, or around $1.15 or $1.20?"

Only a few — about one-eighth of the group—planned to sell at once. Half intended to seal or to get a purchase agreement. One-fourth would hold for better prices without a loan or purchase agreement. And the rest weren't sure what they'd do.

Few were interested in the purchase agreement. Yet this feature, new to most farmers, has much to recommend it.

Under this plan, a farmer can contract with the Commodity Credit Corporation (thru the county AAA committee) to sell his corn at loan price next summer. He has to pay one-half cent a bushel to get this agreement.

If the price goes up, he can forfeit his half-cent and sell on the market. If the price goes down, he can deliver to the government.

Only catch in the deal is that the government will have to build a lot of storage space between now and next summer if the market price goes down. This means congress must re-form the present CCC charter in a hurry when it meets. For, under the present law, CCC can't build more bins.

The Wallace-Homestead Poll asked if farmers had heard about this corn purchase agreement. A surprising number, a few weeks ago, hadn't. The figures are given in the box below.

By the time this issue reaches readers, it is probable that the number of farmers who don't know about purchase agreements is much smaller.

Any farmer who may want to sell corn, and who has a fairly good place to keep his corn until next summer, should see what the purchase agreement offers him. Your county AAA committee can furnish the details.

A WALLACE-HOMESTEAD POLL

EVER HEAR OF CORN PURCHASE AGREEMENTS?

The Wallace-Homestead Poll asked a representative cross-section of Iowa farm operators: "Have you ever heard of the AAA purchase agreement, where you pay half a cent a bushel to get AAA to say they'll buy your corn at loan price if you want to deliver it next summer?" Iowa farmers answered this way:

1—Yes, have heard of it	**46 per cent**
2—Maybe, but haven't paid much attention	**17 per cent**
3—No, never heard of it	**37 per cent**

Wallaces' Farmer and Iowa Homestead says:

DON'T SELL CORN UNTIL YOU DO LEARN ABOUT THE CORN PURCHASE AGREEMENT.

See Your County AAA Committee.

Editorials

We'll Ship More Corn To Europe

NEW corn prices are likely to strengthen partly because farmers are selling slowly and not selling much. But another reason is the better prospect for sales in Europe.

Ordinarily, we don't export much corn. But Europe's livestock numbers are down. And Europe needs livestock feed.

A visitor from Denmark reported that hog and dairy cattle numbers had dropped considerably. The Danes are hungry for corn to build up their livestock.

So are other countries. If the United States wants to help rebuild European agriculture, using Marshall plan dollars for corn exports will certainly help.

Present estimates are that between 150 and 250 million bushels may be shipped overseas. That doesn't look like much compared with a 3,567-million-bushel crop. But only a small part of the corn crop actually goes into the market. Exports of 150 to 250 million bushels would make a substantial share of the part of the crop that does get into trade.

Farmers are showing good sense in refusing to sell below loan levels.

Beans Into Bins

Here are Boone county, Iowa, soybeans going into steel bins. It's a night job. Farmers are getting CCC loans at $2.18 a bushel on beans stored in elevators, bins, etc. Only there aren't enough bins.

Farmers Are Selling Hogs Early

WHEN Iowa farmers told the Wallaces' Homestead Poll, some weeks ago, that they were going to sell their spring pigs early this year, they weren't joking.

Most market experts expected farmers to hold hogs, feed them to heavier weights on cheap corn, and sell them later than usual.

But our poll, published in an early fall issue, reported that farmers themselves planned to sell light and sell early.

They certainly carried out their plans last month. Receipts increased and prices went down.

To Wallaces' Farmer and Iowa Homestead, it looks as if farmers were more jumpy about future hog prospects than they needed to be. Hog supplies are still short in relation to demand. Pay rolls in the cities are still good.

Furthermore, the fall pig crop may not turn out to be as big as expected. The Iowa Crop and Livestock Reporting Service finds that fall farrowings, thru September, were only 4 per cent above last year. An increase of 10 per cent was expected.

If the fall pig crop in other states acts the same way, the late spring and summer market in 1949 may be stronger than farmers had looked for.

Sell hogs at 225 to 250 pounds this winter if the price is right. But if the market sags, don't hesitate to hold back and put on a few more pounds.

Hog prices will hold up well unless too many hogs come in all at once.

What'll Your Income Be?

Price Supports, Federal Policy, Will Count More From Now On

WITH corn prices going down, and occasional weakness in the hog market, more farmers than ever are thinking about chances of lower farm income in 1949.

Most experts say there may be a slight drop, but that a 10 per cent decline likely will cover it. These folks assume, of course, that increased military expenditures and more loans to Europe will keep inflation going.

Real farm trouble will probably come later—perhaps in 1950.

Farmers would like to know what governmental policy is likely to be. Governor Dewey said last month:

> **"It is the duty of the government, as it encourages full production in agriculture, to make sure that the farmer—by producing plentifully—is not the victim of his own production; that means we must maintain our system of price supports. . . More than any other element in our system of free opportunity, the farmer is at the mercy of unpredictable forces which can provide him a good living and impoverish him the next."**

That policy line matches closely the policies established by the New Deal and approved by both Republicans and Democrats in the corn belt over the years since 1933.

But general statements like this have to be backed up by detailed laws. What does the law say now?

How many farmers know what the new Aiken-Hope law provides? Wallaces' Farmer and Iowa Homestead has presented summaries and explanations, but many farmers—especially community leaders—want a convenient and detailed reference.

For this reason, Wallaces' Farmer and Iowa Homestead has reprinted the official summary of the law, made by the Production and Marketing Administration. We will send copies out as long as the supply lasts.

WE ARE also making available, thru the generosity of the National Planning Association, copies of the pamphlet, "Dare Farmers Risk Abundance?"

Notice how the subject of this pamphlet, printed a year ago, matches the Dewey statement above.

This is a discussion pamphlet, which goes over possible changes in the farm program and includes comments by farm people of differing views. It was prepared by the Agriculture Committee of the National Planning Association. Iowa members of this committee are Allan Kline, Oscar Heline, Mrs. Raymond Sayre and the editor of Wallaces Farmer and Iowa Homestead.

Altho this pamphlet ordinarily sells at 25 cents a copy, Wallaces' Farmer and Iowa Homestead—as a service to Iowa farmers—is sending out the pamphlet and the PMA summary of the Aiken-Hope law without any charge as long as the supply lasts.

FARMERS need to be thinking now about the present provisions of the law and about possible changes.

Send your request for the Aiken-Hope summary and the NPA pamphlet to the Editor, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

Stop Floods Before They Get Started

THERE'S going to be a 48-million-dollar dam on the Des Moines river below Red Rock. That's the way it looks now. A million dollars is available to start.

Once those projects get under way, they usually go thru to the costly end.

Every farmer will wonder how much flood control we could buy if 48 million dollars were spent to put hill land into grass and trees, and into all the other devices to slow down run-offs. Preventing floods before they happen may be better than checking them after they get big.

Wallaces' Farmer and Iowa Homestead doesn't believe any big dam should be built except as part of a water-shed program. This program would include reforestation, grass farming, use of terraces on sloping fields, little dams on smaller streams, etc.

Only with a complete program of this sort can anyone figure how big are the dams we need and where they should be located.

Undoubtedly, the folks on the lower Des Moines river will feel safer when the Red Rock dam is built. They should have protection. But we are probably furnishing it in an inefficient and costly way.

A big dam is only one of the tools to keep excess water where it belongs. The other tools are more important, and don't cost near as much.

Hog Buyers Don't Have X-Ray Eyes

SUPERMAN has an X-ray eye. But a hog buyer doesn't. Or a cattle buyer. Or a judge in the ring.

That's what we learn from shows where fat cattle are judged on foot and then slaughtered. They look different on the hook than they did in the ring.

In the old days, a famous judge placed 16 steers in the ring. They came back on the hook, with No. 16 in first place.

That still happens.

The moral is that nobody can know how good a barrow or a steer is until the carcass is ready for inspection. And nobody can pay the producer of a barrow or steer what that barrow or steer is worth until after slaughter.

Every farmer who sells hogs and cattle on foot is getting either less or more than they are worth. The only way he can get paid for what they are worth is to be paid on the basis of carcass grade.

They'll Want More Soybean Oil Abroad

BEFORE bean combining started, the Wallace - Homestead Poll asked soybean growers whether they planned to sell beans at once, or to store and hold.

Iowa farmers who grow soybeans answered this way:

Sell at once	42 pct.
Store and hold	35 pct.
Not sure	23 pct.

Some farmers had no choice. There was no place to store the beans.

The foreign demand for soybean oil is great. Europe's well off in grain this year, but is still away short on oils and fats.

Soybean prices strengthened as news of bigger exports began to get around. They may strengthen still further. It all depends on governmental decisions on exports.

Are You Thru Corn Husking?

Corn was husked fast last month, but no faster than the farmers had planned.

Before husking started, we asked a representative group of Iowa farmers —thru the Wallace-Homestead Poll:

"When do you think you'll be thru corn husking this year—by November 1, November 15, December 1, December 15, January 1, or later?"

Farmers hoped to get thru with their husking, in these percentages, by the following dates:

November 1—17 per cent said they'd be thru.

November 15—59 per cent.

December 1—92 per cent.

January 1—100 per cent.

Will 59 per cent of the corn in your neighborhood be husked by November 15? That's what farmers hoped to do as they planned fall work.

Odds *and* Ends

GOING to have a fire this month? An insurance man tells us that 11 per cent of farm fires are the result of carelessness. Poor construction of buildings causes the rest.

BAD roofs, chimneys that aren't kept in repair, stoves and furnaces that overheat, and buildings without lightning rods. These are what make farm fires.

CARELESSNESS can do a lot, tho. That 11 per cent estimate looks a bit low to us.

MORE vegetable oils are coming on the market. This will give oleo makers more opportunity to sell at lower prices against butter.

"IT'S fun bringing corn in this year," said a Tama county, Iowa, farmer. "Last year, I sure hated to keep going around and around, and getting so little."

AFTER corn husking, farmers may take a long look at the price of corn and the price of hogs. And then some may decide to hold and feed hogs to heavier weights. But, right now, they seem inclined to sell as soon as hogs get to 225 pounds.

IN CORN harvesting a year ago, 144 Iowa farmers were injured. This is a good record to cut down.

"THERE are more corn borers in the fields this year than people think," says a farmer in Audubon county, Iowa. "I'm picking my corn early because I know a lot of these stalks will fall over as soon as they dry out and get a good, hard wind."

FARM machinery production this year will probably run 15 per cent ahead of last year, and may stay at these peak levels thru 1949. Of course, if too much steel is used for tanks to re-arm Europe, there may not be enough for farm machinery.

THEY know how to make chigger-proof clothing now. Soak the clothes in a new compound and they'll stay chigger-proof thru seven washings. Might help at berry-picking time.

AVERAGE hog price received by farmers in 1947 was $24.10. Compare this with 1946, with a $17.50 average, and 1945, with a $14 average. Or the period 1937-41, with a $7.41 average.

RISKS of war may make it desirable to build up another huge stock-pile of corn and wheat. But such stock-piles can be a continued threat to farm income unless a strong farm program is continued.

ONE Iowa cattle feeder says he's going to buy 25 head of good 800-pounders at a time, feed them for 100 days, and let them go. Then repeat. That way, a sudden drop won't punish him too much.

HAVE you tested your fields to know how much lime and fertilizer they need before the next crop season? A little money and time spent this way will bring big returns.

Song of the Lazy Farmer

SOME folks like spring or summertime and some prefer cold winter clime, but I claim the best time of all is right now — the tail end of fall.

There's no hot sun to make you sweat and usu'lly snow ain't started yet; 'most all the corn's been cribbed by now and it's a bit too late to plow, there ain't much heavy work to do 'cept chores that take an hour or two. That means a man in bed can lie until the sun is warm and high, then do a little work that's light to furnish breakfast appetite and still not wear him out so he will lose his huntin' energy.

A-trampin' 'round with dog and gun not only is a lot of fun, but it works off those buckwheat cakes so that at dinner-time it takes no force to make me eat, by jing, two helpings of 'most everything. Then comes the time of day that's best, I either stay at home and rest while my wife goes to sewin' be, the peace and quiet are heav'n to me, or else I head for town to sit and argue politics a bit. Then evening chores don't take me long, and leave me feelin' pretty strong to handle a big supper fare and head for my old easy chair.

Out of These 30 gilts, Kenneth Melohn, of Calhoun county, Iowa, will pick 12 for himself, 13 for a neighbor. If you plan on 15 litters of pigs, it's a good idea to select a few extra gilts to start with.

Think About 1949 Pigs

Next Year's Profit Influenced By Selection, Feed, Care of Gilts Now

ON MANY farms, gilts are busy hunting for corn in the stalk fields. What grain they find is theirs—but that's all the corn they are getting to eat.

Kenneth Melohn, of Calhoun county, Iowa, is letting his gilts follow the corn picker. As long as they get enough to eat that way, he won't feed them any corn in the lots.

He points out this is fine for gilts or fall pigs. But a poor way to get a hog fat. He intends to keep 12 gilts for first of April farrow. That means about a month until breeding time.

So he doesn't want the gilts running with the fat hogs all that time. He sold off the top end of his spring pigs when they were $29 a hundred, has only a few tail-enders left.

Earnest Hartzler, also of Calhoun county, intends to have 30 sows farrow next spring. He'll divide them into two groups, so that half farrow around April 20; the rest three weeks later.

"I'd like to have the pigs come earlier," he says; "but I will have to use houses on pasture, so I decided to wait until April 20. Then I'll have about a three weeks' break for corn planting, and have the rest of the gilts farrow."

He selected his gilts last month, and they have been busy cleaning up the corn fields. They don't live on corn alone. All winter they will get a minimum of corn plus oats, supplement and ground alfalfa in a self-feeder.

For the time being, they are eating corn that otherwise might go to waste.

The exercise is important. A "lazy" bunch of sows never seem to raise good, vigorous litters. Let them get the exercise habit now. Then put the feeders away from the shed, so the gilts will have to walk after their feed.

However, it may not be a good idea to leave the gilts in the stalk fields until the day you're ready to turn the boar out.

W. M. Darbyshire, another Calhoun county hog raiser, says his 20 gilts were not getting too much to eat early in October. They were on pasture, and he fed them lightly.

He's moved the farrowing date from March 15 up to March 1. So a couple of weeks ago he started feeding a little heavier—especially with corn and protein supplement. He feels it pays to "flush" sows or gilts just before breeding.

"Shortly after they are bred, they will go back on a mixture of supplement, ground oats and alfalfa in a self-feeder," Darbyshire says. "That's the way I fed them two years ago. I'll toss them a little corn if I think they need it."

He doesn't want them to get fat during the winter, but he wants them in good shape at farrowing time. His gilts are by a hybrid boar. This fall, he is using his fourth hybrid boar.

This is the time of the year when you worry every time you hear a gilt cough. You hope it isn't flu. If flu gets started now, just at breeding time, the spring pig crop can be badly riddled.

Make sure the gilts have enough shed room so they don't pile up. They don't need the run of too large a shed, either. Protect them from drafts in the shed. Use enough bedding to keep down the dust.

Water is just as important as ever. You are working on your 1949 pig crop now, so use pasture as long as you can. Supply adequate minerals, salt and a complete protein supplement this winter. Ground oats and alfalfa meal make a good basic ration.

Either let the gilts hunt for their corn or feed it sparingly. You want them sleek and glossy, growing well, but not too fat. That's why hog raisers like to get their gilts away from the fat hogs a month or so before breeding time.

Feeding too much corn to gilts wastes corn. And it doesn't help the pig crop.

Bennett Lee, Calhoun county, had 146 spring pigs and 76 fall pigs this year. He's keeping 30 gilts for next spring. Outside of proper feed, plenty of water is important, he thinks.

"With cattle, hogs or any other livestock, plenty of water is half the battle," he says. "That's why a pressure water system was the first improvement I put in on this place."

Include some ground alfalfa in the ration from now on. It helps make up for the lack of pasture. It is a pretty cheap feed, too.

Handle your boar about like you handle the gilts. Be sure he isn't too fat. If you have a boar in good, thrifty condition, it helps to increase his feed a couple of weeks before breeding time. Have him gaining a little weight as the breeding season starts; then feed just enough to prevent his losing much weight.

Many breeders go sparingly on the corn and feed a ration containing a lot of high-protein feeds.

If you are using a 1948 spring pig, you will have better luck getting your litters bunched if you pen-breed.

By far, best results are obtained when a boar is allowed to serve each sow only once. Sows stay in heat three or four days. Experiment station tests seem to indicate that breeding about 30 hours after sows come in heat results in best litters.

If you have quite a few gilts or sows, you may be able to save work next spring by using two boars. Or you may want to divide farrowing dates as Hartzler suggests. It's easier to look after sows and pigs when all farrow within a few days.

Pigs do better when they are raised with other pigs of the same age.

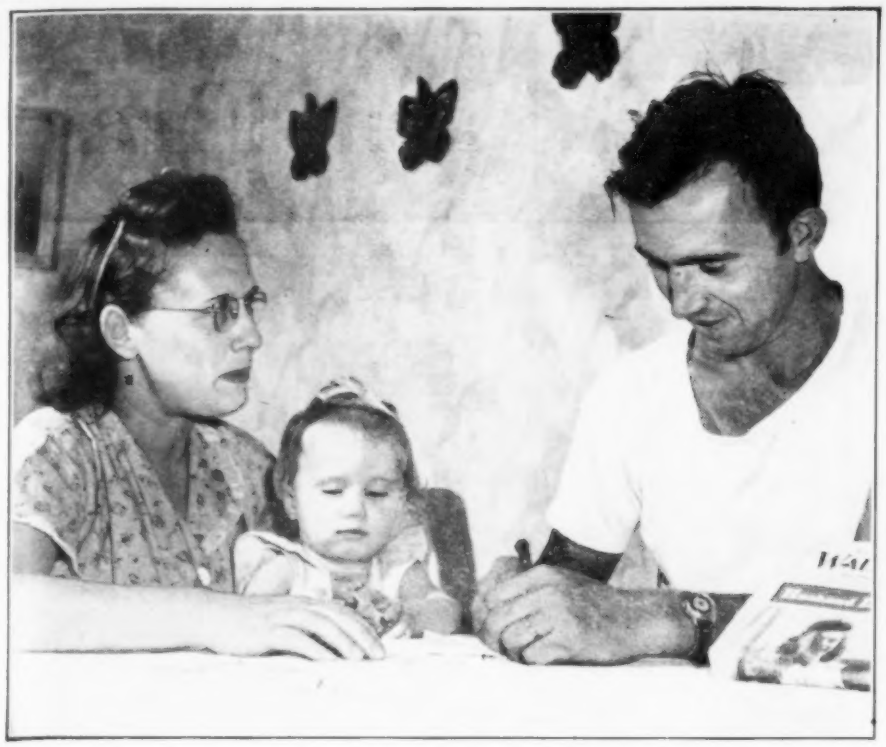
Many hog raisers like to use two boars, have a lot of sows farrow near the same date. That saves work next spring. It may avoid some robber pigs and some runts. Pigs all arrive at castrating, vaccinating and weaning age at the same time.

Certainly, you don't have to spend so many nights at the hog house.

At any rate, now is the time to decide how many groups of pigs you'll want. Good hog raisers will tell you 100 to 125 pigs are plenty for one lot. If you plan to raise more than that, fence off two pastures, these men say. That also means breed the sows in two groups.

Most of these men agree that next year is the year for early pigs. Yet, as Darbyshire says: "You can't do much about an earlier farrowing date unless you are sure you have the right buildings and equipment for early pigs."

It may pay you to hurry pigs to market next year. Remember the way you handle the gilts from now on, the way you feed and take care of them, has a lot to do with how fast the pigs will grow during the important first weeks.

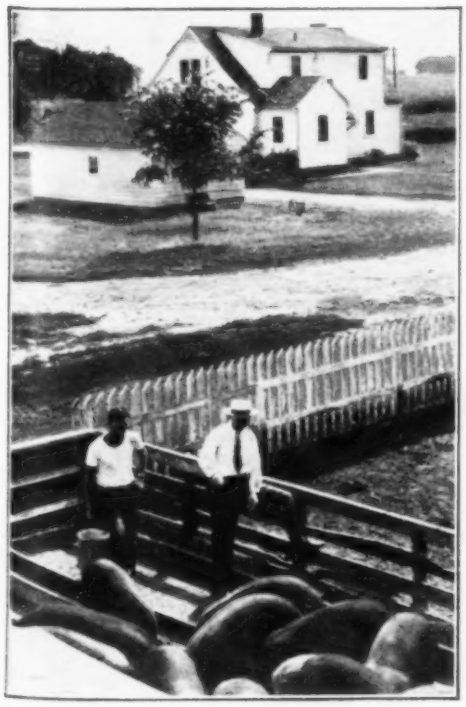


Is This the time for a hired man to think about farming on his own? Werner Richmann, who works for J. J. Kelley, Black Hawk county, Iowa, checks up on prospects with help of his wife and daughter. Results aren't too encouraging.

To Start farming nowadays requires a pretty good chunk of capital. Here, Richmann gets dope on tractor costs from his neighbor, Walt Knipp.

Hired Man's job isn't bad, says Richmann. Werner, his wife and two-year-old Zelda live fairly well on $125 a month plus house and extras. Still, they would prefer to be "on their own."

House Is small—three rooms—but Richmanns are comfortable, have running water (but no indoor toilet). Furniture is their own, includes electric range, ice-box, stove, living and bed room sets.



Richmann likes working for Owner Kelley (right), would like even better to be own boss. Kelley home in background.

Start Farming Now?

High Costs Make It Seem Harder Than Ever To Do

THESE are tough times—for many young men interested in farming on their own. Tough, that is, if you're impatient and haven't much to start with except your own brain and brawn.

Take the case of 26-year-old Werner Richmann (pictured on this page). Born and raised on an Iowa farm, Werner likes farming, is deadly serious about it. He'd like to be running his own place.

But six years of "working out" haven't built up much of a nest-egg. And prices are high on equipment he'd need to operate his own place.

Richmann's present job isn't a bad deal. As hired man for J. J. Kelley, Black Hawk county, Iowa, he gets $125 a month, plus eggs, butter, milk. Werner, his wife and two-year-old daughter live comfortably in a three-room house—a converted garage, with cement floor, running water. They have a car, and pretty good furniture.

But there is nothing going into the bank. And the next rung in the ladder seems out of reach.

Werner likes cattle, sometimes thinks it would be a good stunt to get a job managing a stock farm. Maybe then he could save some money, get started on his own.

But suppose such a job doesn't show up. What then? Stick where he is until costs come down? Or take on a heavy debt—if he could borrow the money—and get started now?

For Werner Richmann—and others like him—these are $64 questions.

Cooperation Fights Farm Fires

"IT WAS the 300-gallon water tank on that truck that saved Tipton Paul's corn cribs," said Bob Ihrke, Calhoun county, Iowa.

"Speed saved Alfred Mullin's barn," Charlie Bauman came back. "Ten minutes later, and it would have been gone."

They agreed on one thing. The new fire truck, owned jointly by four townships and manned by the Lake City fire department, gives farmers in that corner of the county fire protection they needed badly.

Bauman and Ihrke know what they are talking about. Ihrke is chairman of the fire committee of the four townships that bought the truck. And Bauman is chief of the Lake City fire department that hustles the truck out to farm fires.

In one word, Bauman summed up this community's success in providing better farm fire protection—"Cooperation."

It's the same story in Union township, Story county, where farmers and townspeople of Cambridge secured better joint fire protection by tackling the job together.

Together Bob Ihrke, Calhoun county, Iowa, farmer, and Charlie Bauman, Lake City fire chief, talk over farm fire protection. Ihrke heads the fire committee of four townships which joined to buy fire truck.

The Calhoun county set-up is tax-supported. Individual subscriptions pay for the Story county organization. Here is how the two were set up:

About four years ago, a meeting of the Lake City fire department and trustees of four surrounding townships was held. Elm Grove, Lake Creek, Jackson and Calhoun townships form a 12-mile square with Lake City in about the center. Lake City's fire truck could protect the town, but didn't have the speed or water capacity to protect the surrounding farms.

Out of that meeting came an agreement. The townships would buy a truck. The fire department would man it and be paid by the hour for country runs. The city would house the truck, and have the privilege of using it in emergencies.

Iowa law provides for joint ownership of this sort. A 60 per cent favorable vote authorizes trustees to levy a one-mill tax for this purpose. The proposal carried in all townships in the 1944 fall elections.

Because of material shortages, the truck wasn't available until July, 1947. It carries a 300-gallon water tank. Within the four townships, all fire service is free. The fire department is paid for its work from the tax levied by the townships.

Cliff Owens, Calhoun township farmer, who was the first chairman of the combined board of trustees, figures that one-eighth to one-fourth of a mill tax will take care of fire protection costs after the equipment is paid for.

Farmers in Union township, in Story county, and people of Cambridge, faced fire protection under different conditions. Cambridge has 600 people; Lake City has 2,200. Four townships surround Like City, while Cambridge is in the middle of one.

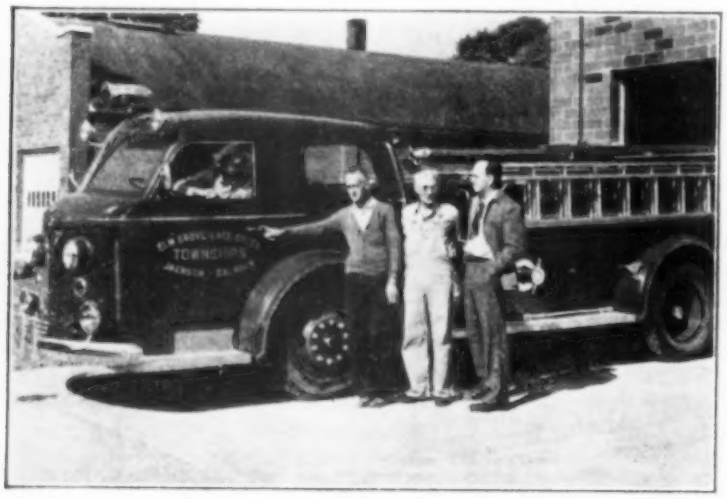
Union township farmers needed better protection than the 20-year-old Cambridge truck could provide. It carried only 60 gallons of water, and few farms have water storage in fire-fighting quantities.

A new truck was possible only by town and farm folks sharing the cost. Some 120 farmers signed an agreement with the town, by which it was to furnish fire protection to farmers for 10 years. Farmers paid $35 each for protection, and are liable for no more assessments. The town must maintain, house and man the truck.

All calls at the farms of subscribers are free. If the Cambridge fire department is called to farms of non-subscribers, a fee of $100 is charged.

How do the two plans stack up? The tax-supported plan involves much time, work and red-tape. But it is permanent, with contributions based on property valuations rather than a flat rate.

What a farmer is interested in is help in a hurry when a fire breaks out. Either of these plans, if carried thru, will furnish farm fire protection. The state fire marshal's office at Des Moines will furnish detailed information to any community.



Four townships in Calhoun county, Iowa, bought this new truck to fight farm fires. Truck is manned by Lake City firemen, including (from left) Al Redenius, D. R. Van Horn, C. H. Bauman, W. I. Pierce.

Ready for farm fires is truck owned jointly by Cambridge townspeople and farmers in Union township, Story county. Firemen Herb Baker and L. J. Ryerson watch Wayne Heintz put on chains.

The Tank Truck

Roscoe Call and his four sons discuss their widely diversified operations. Left to right are Roscoe Call, and sons Wayne (standing), Kenneth, Bill and Roscoe Junior.

Pineapple Bran Nut Bread!

... by Elizabeth Merriehew, Long Beach, Calif.

Sift together: 2-¼ cups flour; ¾ cup light brown sugar; 1-½ t. salt; 3 t. baking powder; and ¼ t. soda.

Combine: 1 cup prepared bran flake cereal; 1 cup pecans, chopped; 1-½ cups crushed pineapple, undrained; 1 egg, beaten; and 4 T. melted shortening.

Fold in sifted dry ingredients and mix well. Bake in greased loaf pan in moderate oven (350°) for 1-¼ hours. This bread will retain its moistness for a week. Slices best after first day.

Send your favorite recipes to Mrs. Annie Lee Wheeler, Conoco Cafeteria, Ponca City, Oklahoma. Get a $7.50 pair of genuine Wiss Pinking Shears for each recipe printed here with your name. If duplicates are received, the one to be published will be determined by Mrs. Wheeler. All recipes sent in become property of Continental Oil Company.

FARM KITCHEN

A Conoco Customer for 29 Years!

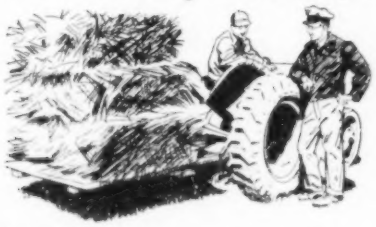
"For 29 years I have used Conoco Products exclusively," writes Roscoe Call, near Rocky Ford, Colo. "26 of these years comprise the time F. A. Holler, Conoco Agent, has served me well in prompt delivery . . . helpful information in the lubrication of equipment.

For 26 years, Conoco Agent F. A. Holler (in uniform above) has been helping the Calls.

"I, with my four sons . . . farm 1350 acres of land in the Arkansas River Valley. . . . Our crops consist of beets, barley, corn and alfalfa. . . . We also feed 450 head of cattle and 3000 lambs. We use . . . one D-4 Caterpillar; 3 Farmall M, 4 Farmall H, and one Farmall F-12 tractors; 5 trucks; and many pieces of stationary equipment such as ensilage cutters, a 30-hp M-M motor running a Dempster pumping plant, and feed cutters. . . .

"I'm very particular as to the proper care our farm equipment gets. . . . Such care has paid us dividends, as shown . . . in one example of the performance of an International tractor—this machine was used 9 years on very heavy duty work, during which time one set of pistons and sleeves were replaced . . . I'm convinced Conoco N^{th} Motor Oil played a big part in keeping it operating."

Runs 7 Years! Cost 4 Plugs!



Stockman-Farmer Fred Freeman, Jr., of Denton, Texas, above, shows Conoco Agent C. O. Gray the platform, built on the hydraulic drawbar, he uses to haul feed to his cattle.

About the old Farmall F 20 he recently traded in, Mr. Freeman says, "That sure was a good tractor, and N^{th} motor oil helped me keep it going. . . . In 7 years my only operating expense . . . was one set of spark plugs . . . I worked that Farmall F 20 hard, too. It often ran as long as 18 and 20 hours a day. . . . No sir, I never lost a minute's time . . . thanks to the OIL-PLATING job N^{th} did. . . .

"I also had a 1941 Chevrolet car which I ran 83,000 miles before overhauling, and then added another 80,000 miles before trading it in. The fellow at the garage told me he had never seen an engine in such good condition after 163,000 miles. . . . That's why I use Conoco N^{th} exclusively . . . in all my equipment."

If Mr. Freeman can do it, so can you. Use Conoco N^{th} Motor Oil for long years without repairs.

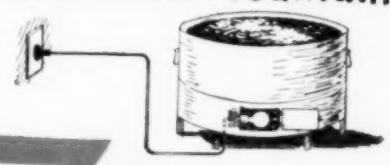
YOUR CONOCO AGENT

Let a "Show-Me" Farmer Show YOU!

When a farmer from the "Show-Me" State of Missouri likes Conoco N^{th} Motor Oil, you can figure he knows what he's talking about. Take Luman Offutt, who, with his mother and sister, owns and farms more than 1,000 acres about 3 miles out of Orrick. Mr. Offutt uses a 14-foot Massey-Harris combine, 3 John Deere tractors, a Farmall H tractor, and several trucks and automobiles.

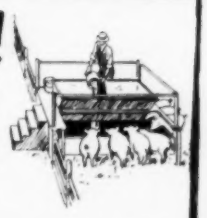
Here's what Mr. Offutt says: "I have been using Conoco Products since 1931. . . . My tractors vary from 4 to 8 years in length of service. I have used Conoco N^{th} Motor Oil and Conoco Greases exclusively, and my cost of operations . . . has been so low, and with no loss of time through breakdown in the field is why I would not hesitate to recommend Conoco Products to anyone. In addition, I like the prompt, courteous service of the Agent, C. M. Bland."

Warm Water Fountain!



Here's a good idea from Richard E. Abbey, Jr., Springfield, Illinois. The electric bulb under the chicken fountain keeps the water from freezing. Be careful about your electric wires, though!

Hog Feeder!



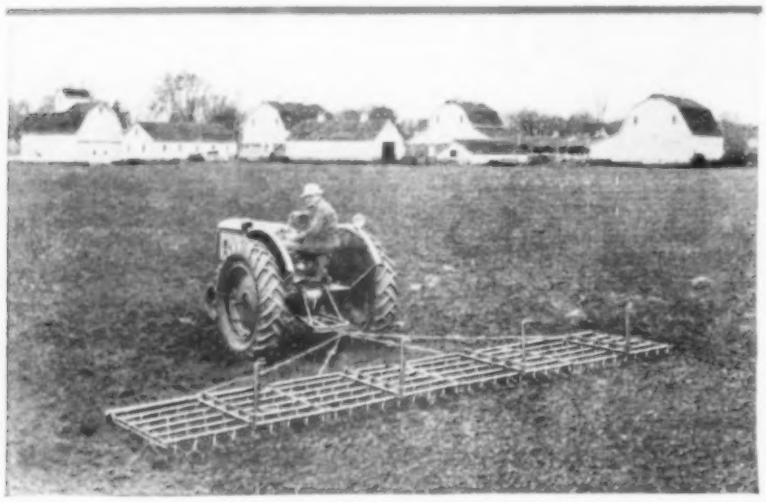
This "trough over a trough" for clean, safe feeding of pigs and hogs was suggested by Charles Perry Heiskell, Rich Hill, Missouri. Saves clothes, feed and temper!

PRIZES FOR IDEAS!

Send your original ideas to *The Tank Truck* in care of this paper—and get a genuine $8 Henry Disston D-15 Hand Saw for every idea that's printed!

CONOCO

50% FASTER!



...plus BETTER Harrowing

THE KEWANEE Folding Harrow does an amazing harrowing job never before thought possible. That's because it is the first harrow really engineered for tractor power and *high speeds.* Its vital features are original, **Patented** and exclusive.

Farmers say the KEWANEE harrows 50% *faster* and does a better job, once over, than most harrows do in twice over the field. You get better seedbeds . . . kill more weeds . . . save one or more cultivations . . . and produce bigger crops. *Ask any* KEWANEE *Owner.*

Only KEWANEE has long **Welded Teeth** that take a real "bite" of the soil. Streamlined and self-clearing. No clamps, bolts or extended teeth to gather trash and slow up harrowing. No delays, lost teeth or impaired work. You save *time, work, money!*

More teeth per section, diamond-shaped and dagger-pointed. Cuts every 1½ inches. *Finer pulverizing, better seedbeds—bigger crops!* **Patented Short-Center Tractor Hitch**—harrow does not dig in at the front or raise out of ground at the rear at fastest tractor speeds.

Amazing Folding Feature! Two outer sections fold over to go thru farm gates. Easy to fold. Easy to transport. Easy to store. Farmers pronounce it the greatest improvement in all harrow history!

See your KEWANEE Dealer right away! Make sure of owning America's No. 1 Harrow this coming year. Don't settle for less than the KEWANEE. No other harrow like it. Write for Free Folder.

WELDED TEETH

Stand the Gaff

One look tells you why. Each tooth is fused and welded to both the inner and outer side of the tooth bar, actually making them one inseparable piece of metal. No clamps or bolts to work loose, resulting in lost teeth, impaired work and frequent replacement expense.

Teeth are tough, hard, alloy steel—which resists wear and stays sharp for years. They are of greater length, diamond-shaped and dagger-pointed. Better and deeper penetration and lighter draft.

Note that none of the tooth extends above the bar, providing extra working length for better harrowing. The wide travel width gives extra strength to stand the strains of hardest usage in the toughest soil conditions.

"Teeth do all the work"

ALL-STEEL FOLDING EVENER

Engineered for high-speed, heavy duty performance Built of high carbon, oval tubular steel of exceptional strength to insure lasting rigidity and alignment. Welded steel draft rings—no bolts to loosen. Smooth streamlined construction with rounded surfaces that will not gather trash.

KEWANEE MACHINERY & CONVEYOR CO., KEWANEE, ILLINOIS

"BUILT FOR SPEED" *Kewanee* **FOLDING HARROW**

Makers of the Famous KEWANEE Farm Elevators

Not This Year! At least, that is what farmers hope as they hurry to get corn husked before snow. Corn will probably be stored in the crib several weeks earlier this year than is ordinarily the case, because of early maturity and the dry fall weather.

INSIDE STUFF

IF FARMERS gave to consumers all the wheat needed to make bread, how much of a cut in bread prices would result? Only about 3 cents a loaf.

▲ ▲

"FAILURE of the senate to approve the international wheat agreement surely gave us a black eye in Europe," said Bill McArthur, just back from a trip overseas.

▲ ▲

"THIRTY-THREE nations approved the agreement, and then we turned it down," he added. McArthur, CCC official, said the defeated agreement would have helped wheat farmers in 1950.

▲ ▲

DO YOU LIKE to visit dead towns? No, I don't mean the town in the next county—the one you don't like. That place is only feeble and elderly, not dead.

▲ ▲

THE DEAD TOWNS I like are really dead. Nobody there but bull-frogs and grasshoppers. But once thousands of folks tore around the streets and vowed that their town would be the biggest west of Chicago.

▲ ▲

THAT'S WHY I stopped at the site of old Franklin, in Missouri, and on the Missouri river. In 1816, it was a town of several thousand population. The first weekly newspaper west of St. Louis was published there.

▲ ▲

NOW THERE is nothing except a marker. What killed the town? Steamboats passed it by, went on to land westward emigrants at Westport and Independence. Kit Carson was raised there, but he went west early.

THE BOONE'S LICK country, up toward Glasgow, and between the highway and the river, is full of gullies, timber pasture, and brackish springs. It used to be the most important spot in western Missouri.

▲ ▲

THERE WAS SALT there. Indians came to get it. Deer were so thick that all a man had to do was raise up his rifle and shoot.

▲ ▲

THE BOONE BOYS came in 1806, to boil down a lot of saltish water in huge kettles and to take salt back to the settlements. But that business didn't last long. There were easier ways to get salt.

▲ ▲

I CROSSED the trail of Daniel Morgan Boone again, down by the Lake of the Ozarks. He came to trap beaver, where a spring gushes out of the bluff below where Camdenton is now.

▲ ▲

THE SPRING is still there; so is the bluff; but the beaver are gone. And on the bluff is the wreck of a stone mansion put up by an eccentric millionaire, who imported 20 Scotch stone-masons to build it.

▲ ▲

IT COST HIM a million and a half. They call it Hahatonka castle. When it burned, it must have lit up all central Missouri. Nothing there now but stone walls, tarantulas, a few snakes, and a view just as beautiful as the one Boone saw.

▲ ▲

MY OLD FRIEND, A. F. Kramer, up in Clayton county, Iowa, says to raise Pontiac or Sebago potatoes if you want to escape blight. He has tried both.

DONALD R. MURPHY.

WALLACES' FARMER AND IOWA HOMESTEAD

(Volume 73—Number 21)

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See how these practical hogmen GET AHEAD OF BIG RUNS with Ful-O-Pep Fed Hogs

HIT THE EARLY MARKET

...balance your corn with

FUL-O-PEP

40% HOG FEED CONCENTRATE

Yes, 30 days saved in finishing your hogs next spring may mean as much as $5 per cwt. in price. That's why you will want to speed your fall pigs to market . . . to get ahead of the big runs.

So for rapid, low-cost gains, do as Charles H. Howe, Edgar Flener and many other good hogmen are doing: balance your corn with Ful-O-Pep 40% Hog Feed Concentrate. For feedlot results show that Ful-O-Pep 40% Hog Feed Concentrate helps make corn put on pounds faster ... faster than tankage ... faster than lower-quality supplements, too.

And here's why: Ful-O-Pep alone contains Concentrated Spring Range*—Nature's Richest Vitamin Combination—which is made from fresh green grass itself. This special Vitamin Boost, combined with quality proteins and organic-source minerals, helps make corn go far—and *puts on pounds quickly*—especially during the winter months.

Start feeding Ful-O-Pep 40% Hog Feed Concentrate with your grain right away. It'll help you *cash in on the early market* next spring. So visit your local Ful-O-Pep Dealer today.

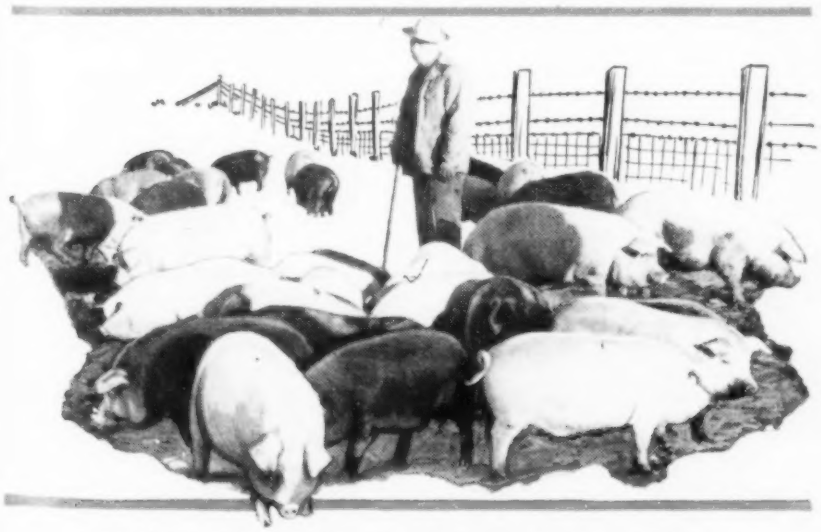
WRITE TODAY FOR FREE BOOK ...on card or letter, say "Please send my FREE copy of the 24 page illustrated book, BOOST PORK PROFITS." Mail your request now to Dept. K-89

THE QUAKER OATS COMPANY, CHICAGO 4, ILL.

*Reg. U. S. Pat. Off.

GETS FAST GAINS WITH FUL-O-PEP . . .

"We have fed Ful-O-Pep Hog Feeds for several years and like them very much," says Charles H. Howe, Manager of Bert Nicol Farms, Lawrence, Kansas. "The *fast gains* and *uniform finish* we get on our hogs prove that Ful-O-Pep Feeds are balanced with the proper proteins, vitamins and minerals that are important in the diet of a hog. Ful-O-Pep Feeds certainly do a good job of getting our hogs finished and *ready for market* in a short time."



AVERAGED 210 POUNDS IN 5 MONTHS AND 9 DAYS . . .

"After feeding hogs for many years and keeping accurate records, I've found Ful-O-Pep is by far the most profitable feed," says Edgar Flener, Energy, Ill. "I started this group on Ful-O-Pep Pig Starter, changed at weaning time to Ful-O-Pep Pig-N-Sow Feed, and at 75 pounds fed Ful-O-Pep 40% Hog Feed Concentrate. I shipped them at the age of five months and nine days, averaging 210 pounds. *They showed a nice profit.*"

3 FUL-O-PEP FEEDS TO BOOST PORK PROFITS

PIG-N-SOW FEED
TO BUILD THRIFTY LITTERS

Developed to build big litters of big pigs at farrowing, and furnish plenty of sow's milk for all. Feed in equal parts with whole oats from time sow is bred until pigs are weaned.

PIG STARTER
TO GROW PIGS RAPIDLY

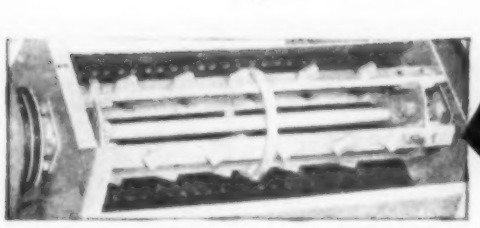
Appetizing, nourishing feed built around choice rolled oats and fortified with special vitamin sources to promote fast gains and help prevent pig losses. Feed in creeps from first week until weaning.

40% HOG CONCENTRATE
TO SPEED HOGS TO MARKET

Supplies proteins, vitamins and organic-source minerals that grain lacks to help put on fast gains at low cost. Begin feeding at 75 pounds and continue until hogs are ready for market.

Sensational New Corn Sheller has 42% extra shelling area

Patented
KERN-O-LIZER
Shells inside as well as outside



The KERN-O-LIZER Is built like skeleton cylinder so it shells extra ears on the inside

Get more bushels shelled per horsepower-hour

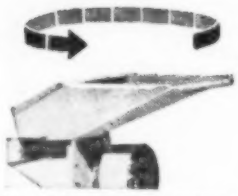
Here is a farm-type corn sheller which has proved to be so fast that in many instances it is "pinch-hitting" as a commercial sheller, turning out as much as 200 bushels per hour week after week.

The big reason the Harvey shells so much corn is the amazing Patented Kern-O-Lizer Shelling Unit. How this "skeleton" cylinder can work on more ears at a time by shelling inside as well as outside is shown above.

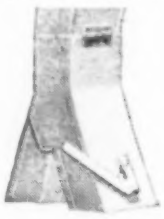
A sheller must get rid of the corn as well as get it off the cob. The Harvey takes care of the extra bushels with an independently driven auger which is located just below the Kern-O-Lizer. There's no pile-up of corn or cobs.

The Harvey is now equipped with a remarkably simple Cob Stacker. Single-chain design assures automatic alignment of cleats, and bind-free operation. Cob Stacker is also sold separately because it can be attached in a few minutes to any model Harvey Sheller.

Have your dealer show you all the time-saving features of the Harvey Corn Sheller. If you do not know a Harvey Dealer, fill out and mail the coupon now, and get FREE Grinding Chart giving 115 grinding recommendations for growing more meat from less feed.



All-steel Feed Hopper can be turned for feeding from any direction.



Your choice of Wagon-box Loader (see main illustration) or Bagger as shown above. Or get both — they are interchangeable.

HARVEY MFG. CO., INC., DEPT. M-11, RACINE, WISCONSIN

I want your new 1948 Grinding Chart, and information on the Harvey Corn Sheller.

Name .....

Address .....

Town ..... State .....

My dealer's name is .....

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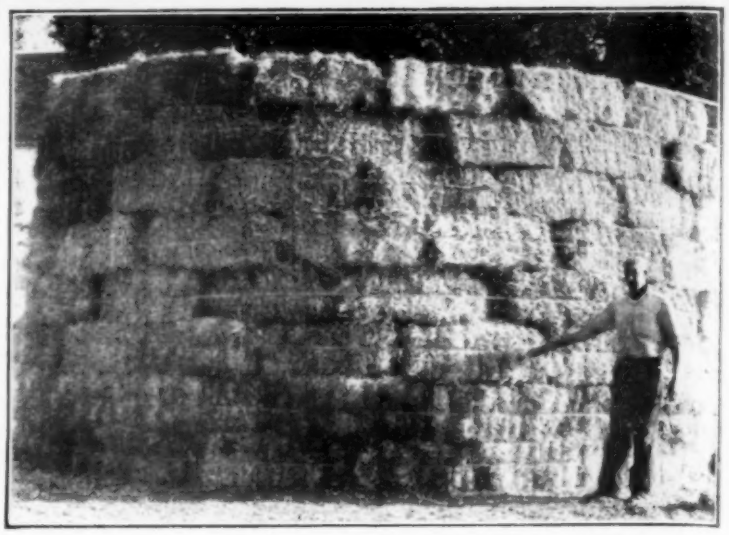


Straw Bales made a quick temporary silo for John Wisdom, Polk county, Iowa. Bales were stacked eight rows high (12 feet), lined with building paper, with wires around for support.

Feed Cattle Or Seal Corn?

High-Priced Feeders Make "Regulars" Cautious in Spite of Lower Feed Cost

TO BUY or not to buy? That question faces even the regular cattle feeder this fall. Feeder cattle prices in October were the highest on record.

So far, cattle feeders have been playing the game cautiously. Some have cut down on numbers. Many have bought cattle on which they can make a quick turn.

Lloyd Swann, Mitchell county, Iowa, tells the experience of himself and son Harold the past six years. They have made a practice of buying medium cattle.

Six years ago, the laid-in cost of their feeders was right around $8. The next year, the cost went over $10—then to $14, $15, $18. Now they would cost more than $20.

"If we can seal corn for around $1.30," wonders Lloyd, "why risk feeding it to cattle? The good corn crop alone will bring in a nice income."

But then there's a big Plymouth county, Iowa, feeder, who stayed out of the market a year ago. His silos stood empty. He was looking then for that drop—which hasn't come yet.

Most dyed-in-the-wool feeders won't quit entirely. But sometimes they wish they had—or at least waited. Like the Hardin county, Iowa, man who stocked up with good cattle a few weeks ago at $31. Later, he could have bought the same quality at $27.

At a Tama county, Iowa, sale barn, it was reported some good feeders were knocked off in October at $26—altho the owners hated to let them go at that.

Calves generally are considered a safe deal. But calf prices don't always follow a downward market. Ranches tend to sell off their older cattle, if they fear a slump is coming, and hold the calves themselves.

A 400-pound calf at 28 cents isn't such a big initial investment. But suppose you had to sell him at 20 cents when he weighed 800 pounds. That's $48 for the extra 400 pounds. In other words, to break even you'd have to have made that gain at $12.

Meat will continue in strong demand, as long as incomes stay up. It isn't like some years, say Iowa State College economists, when you know more cattle are on feed than demand will absorb. But a drop in national income could make a big slash in the price of beef.

Watch a farmer when he is buying cattle, then, and you'll read his personal forecast of next year's business conditions.

A slump might easily bring good cattle down to $20. On the other hand, present indications point to continued inflation. Continued government spending for preparedness and continued wage increases indicate that trend.

But suppose there's a change of conditions to start the wheels turning in the other direction? A lot of inflation-minded cattle buyers could go broke.

Too Much Corn Left In The Field

Poorly adjusted, carelessly operated corn pickers often leave enough corn in the field to more than pay the cost of picking.

Losses range from 2½ to 13 per cent, according to a study made at Iowa State College. Losses depend somewhat on the type of picker, kind of corn and season.

Biggest factor in picker losses is careless operation. The driver gets off the row, knocks ears to the ground. The picker elevator isn't turned off in time, throws ears out of the wagon on turns. Or the operator drives too fast.

Big shelling losses can be reduced by careful adjustment of the picker rolls.

On livestock farms, much corn left in the field can be recovered if the weather is good. Gleaning often is worth while. There's no point in leaving eight or ten bushels per acre if it can be avoided.

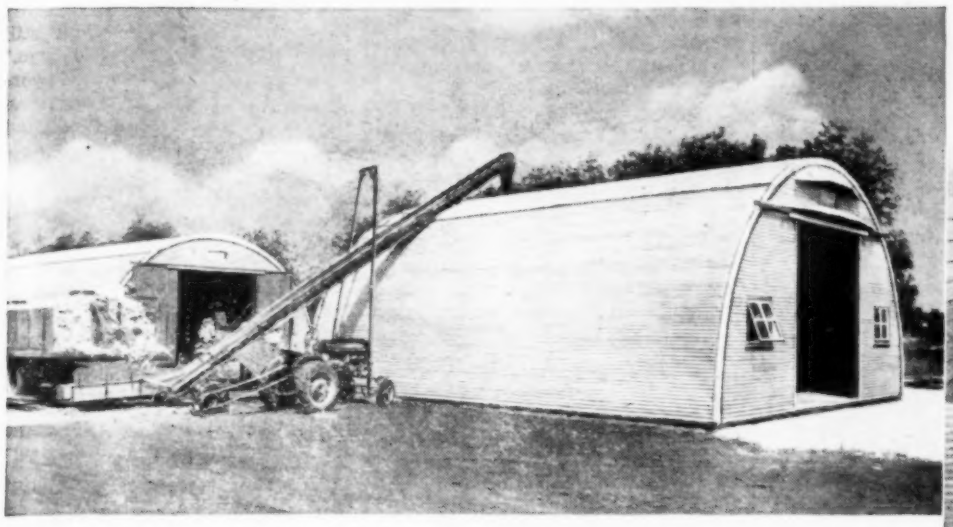
Save Your Corn—and Save Money

QUONSET* 32

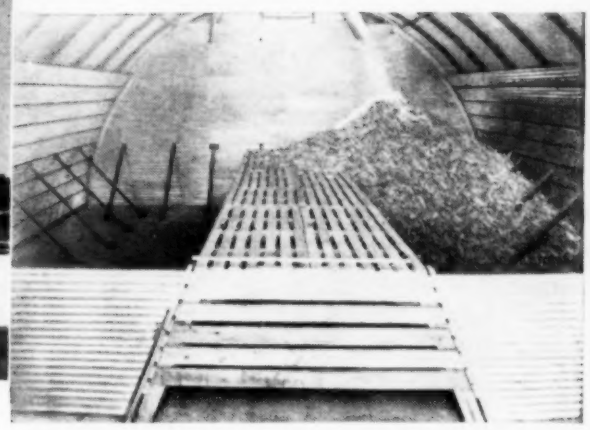
CORN STORAGE AND CONDITIONING BUILDING

Solves Storage Problem Profitably

*REG. U. S. PAT. OFF.



Removable roof sheets make for easy loading. Corn is removed by way of the ventilating tunnel.



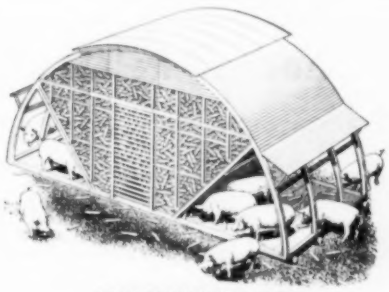
A 32 x 36-foot Quonset, with ventilating tunnel, holds up to 5,000 bushels of unshelled corn. The tunnel, built in 4-foot sections, can be readily removed, to adapt the building to other uses between seasons. For storing smaller amounts of corn, individual sections can be removed and a partition installed.

In this year of record crops, farmers everywhere—forced to store corn right on their farms—have been quick to appreciate the advantages of the versatile Quonset.

The profit possibilities of the all-steel Quonset 32 are too great to be overlooked. Storing your corn in a low-cost permanent building . . . on your own farm . . . to sell at the best time and price . . . is a direct way to big savings and increased earnings.

Here's the simple arithmetic: A Quonset 32 (32 x 36 feet), complete with ventilating tunnel and fan, will keep 5,000 bushels of unshelled corn in top-value condition. Yet its cost, erected and equipped, is so low that your storage costs per bushel per season soon become almost negligible.

Come in and look at a Quonset—see how well adapted it is to corn storage use, how valuable it will be for other farm uses between storage seasons. You can get fast action, too—your Quonset is here, for immediate delivery and quick erection. Call or wire your nearest Quonset dealer listed below.



QUONSET 20
PORTABLE CRIB FEEDER

Holds 500 bushels of ear corn. Eliminates 90 per cent of the work required for feeding corn to hogs. Can be moved from place to place with a tractor. Feeds 50 to 60 200-pound hogs for the season. Ask for full information.

YOU NAIL TO STRAN STEEL FRAMING

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640 Insurance Exchange Bldg.
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Miller & Piehl, Inc.
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Nagle Lumber Company
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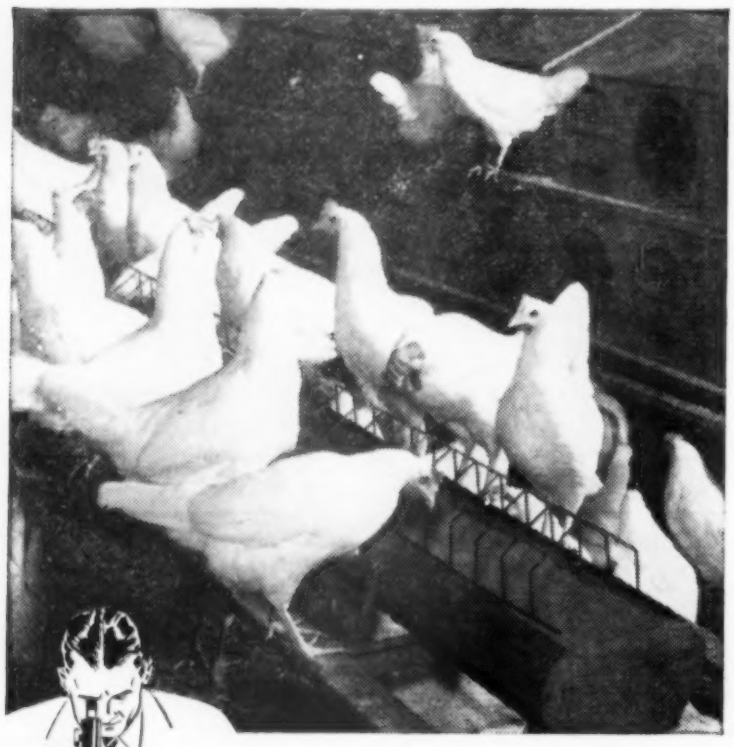
Are Your Hens Suffering From AMINO HUNGER?



Yes, these birds look healthy. Yet they may be holding back eggs because of amino hunger — the unseen robber of egg profits!

What is AMINO HUNGER?

It's a form of protein starvation. Even hens that eat a great amount may suffer from amino hunger. Protein, when digested, releases *amino acids.* With these the hen builds eggs. Of 22 known amino acids, 10 are *vital* to life and *vital* to egg production. If the protein ration fails to supply *even one* of these, the result is amino hunger.

What are its EFFECTS?

Amino hunger cuts production. It makes hens lazy and unthrifty. And it wastes untold bushels of feed. Birds may actually eat *more* than usual in an effort to get enough of the missing amino acids! The answer is to get a feed that not only supplies enough *total* protein — but enough of the *right* amino acids. That feed is Kellogg's Amino-Built Egg Mash!

YOUR HENS NEED ALL 10 OF THESE VITAL AMINO ACIDS

(At 70% production for 100 days)

	Units In The Eggs That a Hen Lays	Units She Gets in Kellogg's Egg Mash
1. Arginine	.462	2.448
2. Histidine	.210	.918
3. Isoleucine	.378	1.734
4. Leucine	.651	2.835
5. Lycine	.574	2.142
6. Methionine	.217	.408
7. Phenylalinine	.441	1.63
8. Threonine	.378	1.407
9. Tryptophane	.140	.489
10. Valine	.511	2.08

Kellogg's EGG MASH AMINO-BUILT

to supply all of the vital 10 amino acids

Now you can get an egg mash that assures your hens *known, reliable, uniform amounts* of the vital 10 amino acids! We *measure* the amounts of these units in every protein ingredient. We put them together in just the right proportion to make it *easier* for your hens to lay. Yes, Kellogg's Egg Mash is an amino-built feed. Try it today! See if it doesn't bring you more eggs...bigger net profits. Call your nearest Kellogg Feed Dealer now!

KELLOGG COMPANY
Feed Division Omaha, Neb. Battle Creek, Mich.

New Law Helping In Weed Control

Farmers Report Lax Enforcement By County Boards Biggest Weakness In Iowa Weed Law

Iowa's remodeled weed law has been on the books for two seasons now. Farmers, both owners and renters, and farm managers live with weeds as well as the weed law. What do they think of weed control under the new law?

Wallaces' Farmer and Iowa Homestead asked farmers and farm managers for their opinions and suggestions. Here are some of the answers.

What weeds are most serious in your community?

Apparently, Canada thistle is in the lead there by a wide margin. Several other weeds furnished stiff competition for the dubious honor of being "worst" weed.

Replies calling Canada thistle the worst weed were received from all areas in Iowa. Other weeds —such as quack grass—are a problem in some areas, evidently no problem at all in other areas.

Butter-print, sometimes called button-weed or velvet-weed, received a lot of votes along with cockleburs. Bull-thistle, bindweed and the docks also were listed as troublesome. In some sections, sunflower, sandbur and ordinary morning-glory were called serious.

If you have a county weed commissioner, has he been able to accomplish more in the way of weed control than before such an office was established?

Evidently, the Iowa weed law is something like a new house. The house was supposed to be right up to the minute when you built it, but after you move in you think of a few things you'd like to change.

That's the way most farmers talk about the weed control law and the county weed commissioner system.

Lack of strict enough enforcement of the law, and lack of local township control, cause complaints among people who realize the seriousness of the weed problem.

Rainer Schmidt, Dubuque county, says: "The present weed law would be all right if 'they' would enforce it. It's not enough to stop at the house and ask whether you have taken care of the weeds. Naturally, everyone does something to control weeds, but you still might have patches on the farm."

D. J. Schnittjer, Delaware county, points out that a lot of education on both control methods and the seriousness of the weed problem is needed.

He goes on to say: ". . . The weed law is a pretty good law, if the intent and purpose were faithfully carried out, and if it were enforced to the letter."

Farmer after farmer and manager after manager pointed out that weed control is a community proposition. One weedy farm in a neighborhood can produce enough noxious weed seed to infest the whole countryside.

Quite a few think more responsibility should be placed on land-owners. Earl Watts, Page county, says: "Make every farm responsible for its own weeds."

He points out that farmers on county, state and federal roads get their weeds and brush cut at no extra cost. But the man on the poor road has to cut his own weeds and pay taxes to mow the other fellow's.

However, some other farmers questioned didn't brag on the job of weed control done along highways and roads in their county. Many pointed out that the maintenance men have too much territory to cover. Weeds go to seed before they get mowed.

Henry Dall, Ida county, thinks the new law has helped, especially along roads. Dall adds that 2,4-D should have plenty of credit, too.

From both Carroll and Cedar

Pre-Hallowe'en "punkin" sales were good for Marvin and Merlin, eight-year-old twin sons of Tom Meyer, Franklin county, Iowa. Rates were "three for 25, six for 50," with sales in lots of six or twelve preferred, because 25 cents is hard to split two ways.

"You would—just when we're ready to fly south!"

counties came suggestions that the county men should have sufficient equipment and crew to go right on farms and spray at cost, not as a matter of penalty for failure to mow weeds, but as a matter of assisting the farmer.

A weed commissioner's life is no bed of roses. Most farmers realize that.

As George Steen, of Muscatine county, says, "I would not want to wish a job like that off on any of my friends." It is a rough job, and that may account for some lax enforcement.

If you were going to rewrite the weed law, how would you change our present law?

Let's hear from a weed commissioner, A. R. Flick, of Dubuque county:

"All weed commissioners should be hired on a yearly basis, and not for three or four months." He explains that good weed control demands some sort of a card-index system for keeping track of noxious weed patches, plus a lot of other paper work.

"During January or February, every weed commissioner could make good use of his time attending all sign-up meetings of the AAA. That is an important part of weed control," Flick says.

If V. L. Christensen, secretary-treasurer of the National Farm Loan Association in Shelby county, were writing a weed law, he'd put something in it to "force railroad companies to do something about their weeds."

Clarence Olson, Palo Alto county farm owner, says: "I would force landlords to get rid of noxious weeds. If they didn't, weeds should be sprayed and charged to the land taxes. Some tenants clean out their weeds, then the landlord raises the rent or sells the place. There should be at least one weed commissioner in every township—maybe more."

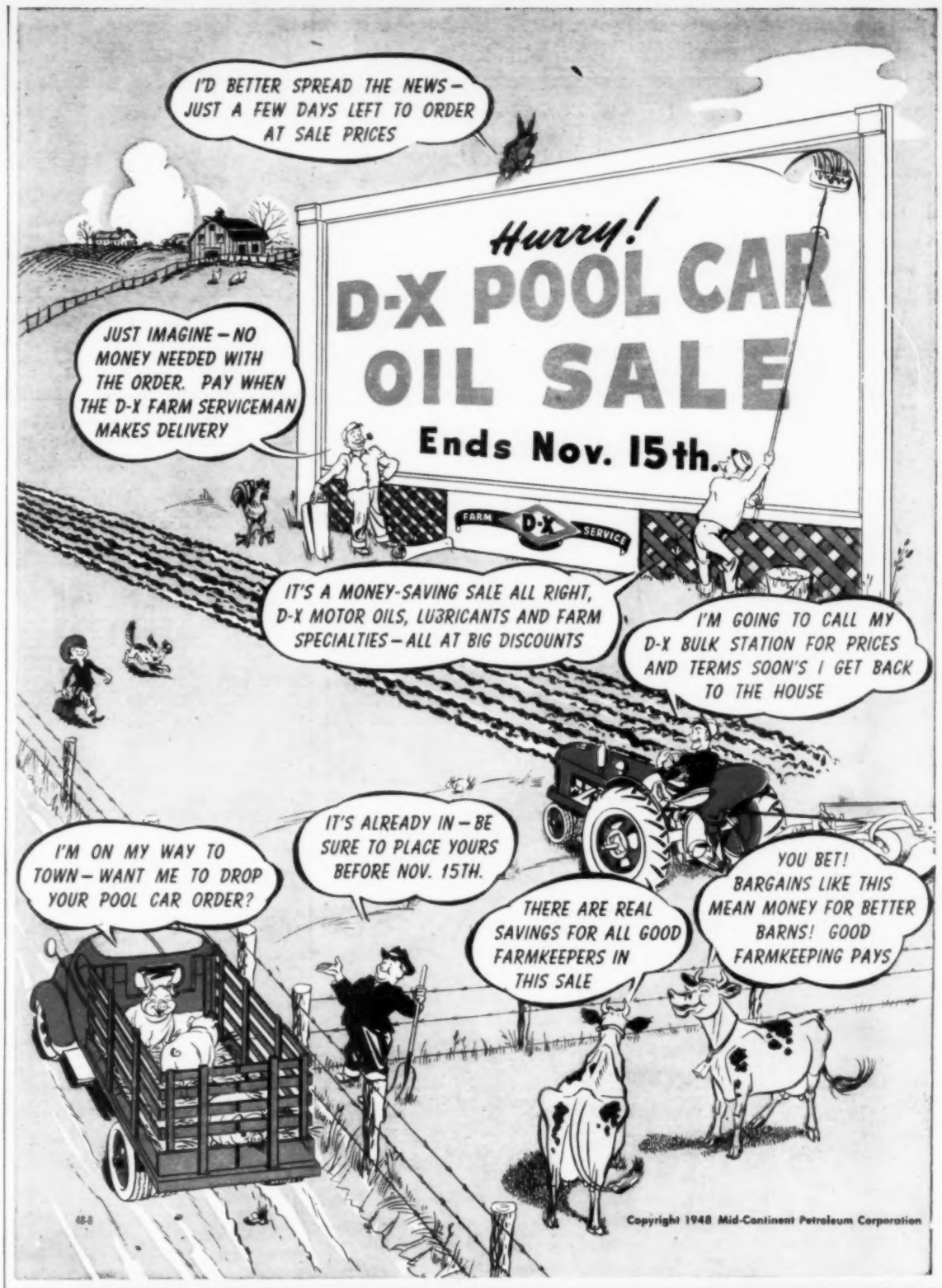
H. F. Lubkeman, Franklin county, says he'd write a really tough weed law. "Let's make it so tough all farmers have to comply, and have expenses charged to each farm and collected when the land tax is paid."

He points out, too, that leases could contain stricter weed control clauses or be more rigidly enforced.

Everyone suggests a tougher weed law. Perhaps they mean tougher enforcement of the present law.

"With the modern methods of killing weeds, there is no good reason why we should have any. The state and county should set an example and kill their own weeds first," says P. M. Nelson, Black Hawk county National Farm Loan secretary-treasurer.

And another farmer adds: "Let each man look at his own fence rows and barn lots."



TAKE ADVANTAGE OF D-X FARM SERVICE!

Thousands of Mid-Western farmers are benefiting from D-X Farm Service. It includes helpful suggestions on the care and lubrication of machinery, regular and dependable delivery of high quality products plus other time and money-saving services. Phone the D-X bulk station and ask your D-X Farm Serviceman to stop at your farm on his next trip.

FARM D-X SERVICE

MID-CONTINENT PETROLEUM CORPORATION

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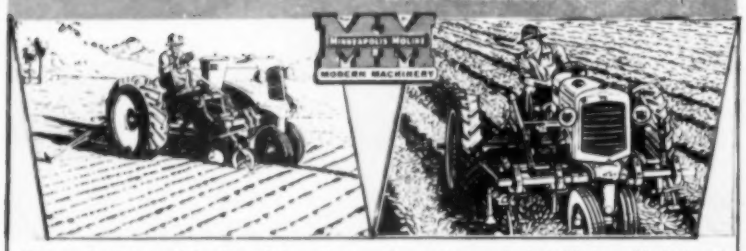
MODERN METHODS *Produce More*

WITH MODERN MACHINES

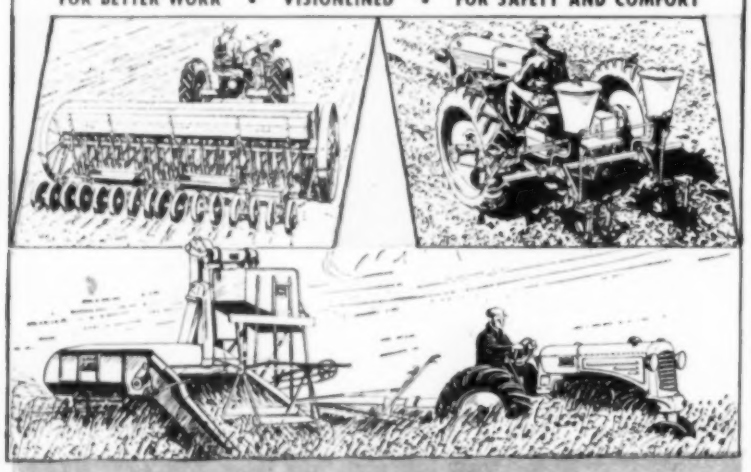


"The productivity and fertility of the soil are our most valuable natural resources. As a conservation measure, Modern Methods are being used by progressive farmers to assure a healthy growth of the industry that is basic to our economy—*agriculture*.

Farmers no longer "bleed" the soil by planting the same crop year after year on the same land without taking care that fertility is maintained. They realize that crop rotation is often a necessity—that diversification is economically sound—that the prevention of erosion is imperative, and that Modern Methods of farming retain and improve the fertility of the soil and assure them of a larger return on their investment.

MM MODERN MACHINES are designed to serve modern farmers. Their economy, dependability and versatility account for their wide acceptance by progressive farmers everywhere. That's why it may be difficult to get immediate delivery, but MM MODERN MACHINERY and Tractors are worth waiting for! See your MM dealer.

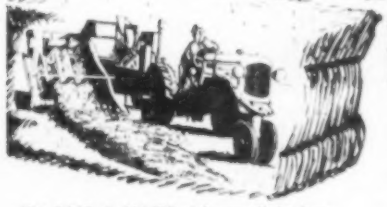
FOR BETTER WORK • VISIONLINED • FOR SAFETY AND COMFORT



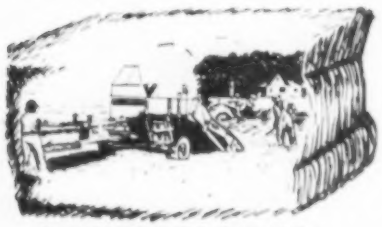
MODERN METHODS IN HAYMAKING

CALL FOR

The Bale-O-Matic



The BALE-O-MATIC picks up all the hay



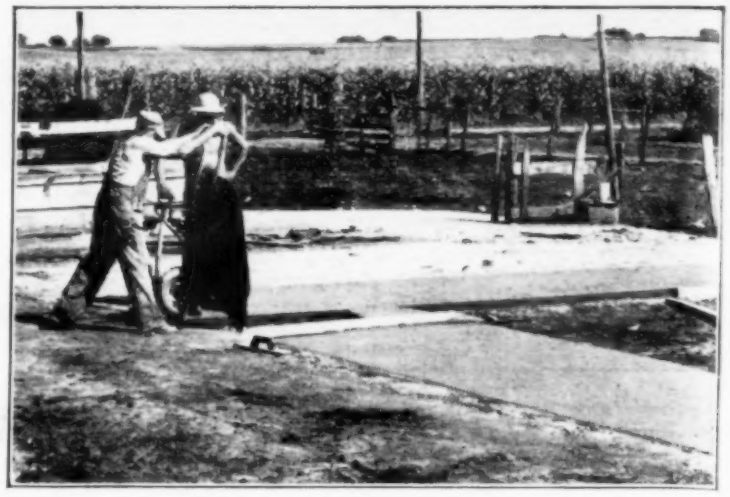
May Be Used As A Stationary Baler

The new Bale-O-Matic picks up the hay, slices and ties it into firm 40 inch bales of a density and weight preselected by the tractor operator—the only manpower required. Bales are tied with two strands of steel wire while under compression and are counted as delivered from the rear of the machine.

Outstanding Features: Bale chamber, plunger and packer head and arms are all of steel welded construction. Knife steel sheer blade assures easy separation of uniform layers of hay. Hardened cut steel plunger and counter shaft drive gears run in enclosed oil bath. Roller chain driven drive shafts turn on roller bearings or bronze bushings and are equipped with safety spring release clutches. The light draft Bale-O-Matic is mounted on pneumatic wheels and is powered by a 4 cylinder "V" type air cooled motor.

For complete information on the many outstanding features of the Bale-O-Matic and other Modern MM MACHINES AND TRACTORS, see your MM Dealer. MM Modern Machine Tools for your farm factory means extra profits for you. MODERN MM MACHINERY IS WORTH WAITING FOR—BUT GET FACTS NOW.

MINNEAPOLIS-MOLINE POWER IMPLEMENT COMPANY
MINNEAPOLIS 1, MINNESOTA, U. S. A.



One Way to get a concrete barnyard—what with a shortage of both materials and help—is to lay a little at a time. Homer Ball, of Dallas county, Iowa, had a 500-square-foot floor, found time this fall to add that much more. Ball also has a concrete hog lot.

Feeders' Worst Foe Is Shipping Fever

Careful Handling During Shipment, Scanty Rations on Arrival, Help Avoid the Disease

SHIPPING fever (the experts call it "hemorrhagic septicemia") is the No. 1 disease enemy of the cattle feeder, says Dr. K. W. Stouder, extension veterinarian at Iowa State College.

The loss of a steer or two can put your feeding operations in the red when margins are close.

Stouder points out that shipping fever also causes shrinkage losses, slow gains, and costs you money, even tho all the steers pull thru.

How can you best guard against shipping fever? What do veterinarians know about it? What is the best treatment for it? How can you recognize the disease?

First, there is a difference of opinion as to the actual cause of shipping fever. Some think the villain is a virus (a mysterious agent which doesn't show up under a microscope as a germ does). Others blame "pasteurella boviseptica," altho this germ has been found in normal animals.

Shipping fever gets its name from the fact that shipped cattle are most likely to get it. Excitement, irregular feeding and watering, overcrowding, lack of rest, and handling during shipment, lower the animals' resistance.

Doctor Stouder believes prevention of shipping fever is like keeping humans from catching colds.

"Many range cattle are vaccinated against hemorrhagic septicemia and blackleg," says Doctor Stouder. He feels it might lower losses still more if all feeder cattle could be given a dose of anti-hemorrhagic septicemia bacterin 10 days to two weeks before shipment.

On the other hand, it is not advisable to administer this bacterin during shipment or immediately after arrival. There is a short period of reaction in which an animal's resistance is lowered, he warns.

"If a steer acquired some infection on the trip, this, coupled with the reaction to the bacterin, might prove fatal," Stouder says.

Efficient handling of the stock on their arrival will do most to prevent loss. Feed the cattle sparingly for a few meals.

"Rest and water are what the new cattle need most," Stouder says. "Don't give much feed except roughage. Sometimes dumping 30 or 50 pounds of common baking soda into the water tank will help avoid shipping fever or lessen its severity." (The Bureau of Animal Industry doesn't have too much faith in the soda treatment.)

The disease usually develops very rapidly and lasts from two to eight days or longer. First comes fever, accompanied by loss of appetite, a discharge from the nose, swollen and watery eyes, general depression and gaunt appearance. Sometimes a hacking cough, diarrhea or stiff gait are noticed.

During the course of the disease other symptoms appear. Sometimes, the animal develops pneumonia. Sometimes, chronic cases run for weeks.

Your veterinarian can tell you how to use biological products to control an outbreak. Large doses of anti-hemorrhagic serum have been of help in saving animals already showing symptoms of shipping fever. It must be used early.

It is an anti-serum, not a vaccine or bacterin. It is a curative, not a preventive. It produces only a passive immunity, but increases resistance to the disease.

Under the supervision of your veterinarian, the use of sulfa drugs or penicillin often will prove helpful. Get his help as soon as you discover the disease.

However, shipping fever is one of those diseases where an ounce of prevention is worth a pound of cure. Make every effort to get your cattle home in good condition. Then start them out slowly on dry roughage and water.

Water them after you fill them with hay. Don't let them have all they will drink that first time. Early treatment gives the best results.

OUTSIDE STUFF

FAITHFUL service on the part of L. C. Adams, Linn county, Iowa, was recognized at the annual Dairy Herd Improvement Association banquet, held in Waterloo at Cattle Congress time. Adams has worked as DHIA supervisor for Linn No. 3 Association for 25 years.

• • •

ONLY four other men in Iowa have worked as DHIA supervisors for more than 10 years. Most unusual part of Adams' service, however, is the fact that he did not start testing cows until he was 53 years old.

• • •

QUITE a few farmers were able to shell corn right from the field this fall. I was surprised to see so much corn being shelled during the last two weeks of October.

• • •

THE Paul P. Stewart Memorial Fund is $3,115 richer as a result of the fall Iowa State Holstein Sale at Waterloo. Seventeen breeders donated heifer calves. About $6,000 has been collected.

• • •

STEWART, of Maynard, Iowa, was a pioneer Holstein breeder and an Iowa Master Farmer. Income from the memorial fund will be used to provide a dairy husbandry scholarship at Iowa State College. Sponsors are hoping for a total of 10 to 15 thousand dollars.

• • •

IT PAYS to treat seed flax. "Dutch" Sylwester, Iowa State College plant pathologist, is quoting these figures from checks made at Kanawha: The average yield of six varieties from untreated seed was 12.45 bushels per acre. Average of the six varieties from treated seed was 18.88 bushels.

• • •

THE few pennies spent for treatment brought big returns.

• • •

I WISH I had a nickel for every load of crushed rock that has been spread in drives and yards the last few years. Maybe I notice new crushed rock lanes because I've been stuck in so many muddy ones.—W. D. Inman.

"And you may say that it is my husband's opinion, too!"

A FRIEND IN DEED

◆ Yes, one of your very *best* friends is your Skelly Tank Station Salesman or Jobber.

His regular policy—long a tradition with Skelly—is to be of extra help to you . . . to give you a cheerful, careful, *personal* service that looks after *your* interests.

Your Skelly Tank Station Salesman or Jobber knows just what the manufacturer specified in the way of fuel, oil, and grease, for every machine on your place. He carries a complete line, including Fortified Tagolene and Fortified Tagolene Heavy-Duty Motor Oils, Tagolene Long-Life Greases, and tractor fuel.

Have a talk with him next time he's out your way. There's an unqualified money-back guarantee of satisfaction behind every Skelly product in his stock.

Need new tractor tires? Your SKELLY Tank Station Salesman or Jobber has a complete line of high-quality HOOD Tractor and Implement Tires. See him today.

TUNE IN — NBC

Skelly's "Morning Newspaper of the Air"—with *Alex Dreier* and the first network news commentary of the day, Monday through Friday — and *Lloyd Burlingham* with farm news and the weekly Skelly Agricultural Achievement Award, every Saturday. NBC at 7:00 A. M. (WMAQ, Chicago, 6:45 A. M.)

SKELLY

GET IN TOUCH WITH YOUR

SKELLY

TANK STATION SALESMAN OR JOBBER TODAY

Corn makes a larger contribution to the diet of the American people than any other crop. Most of the corn raised is consumed indirectly as meat, milk, eggs, syrup and food starch, but 4 to 5 percent of the crop is eaten as milled corn products. Dry process millers supply each person with 25 to 30 lbs. of corn meal, corn flour, hominy or grits and breakfast cereal annually. Large, square kernels from big Funk's G ears provide millers large grits for hominy or rolling into cereal flakes. Wherever corn is used for food, Funk's G is a favorite.

"Funk's G Rates High in Market Quality," Iowa Elevator Operator Says

The Reid Grain Company of Hamburg, Iowa, handles about one-half million bushels of corn each year. This elevator, owned and managed by Carl Reid, has been operated by the Reid family for thirty years.

CARL SAYS:

"We find that Funk's G is tops in shelling percent, tests high in weight per bushel and rates high in general market quality. This Nishnabotna Valley area grows a lot of market corn and Funk's G ranks high in popularity with us and with the farmers."

Carl Reid records grade and test weight as office secretary Corinne Crain runs a moisture test of Funk's G corn.

HEAR GREAT CORN STORIES

On your radio, Everett Mitchell, radio's foremost farm commentator tells dramatic stories of the history, people and development of America's great corn producing areas. With songs by the Funk G-Hybrid Quartet.

WHO, Des Moines..... 7:15 a.m. Saturday
WMT, Cedar Rapids..... 6:30 a.m. Saturday
WLS, Chicago.....11:45 a.m. Saturday
WOW, Omaha.....12:15 p.m. Sunday
WNAX, Yankton..... 12:15 p.m. Saturday
KSOO, Sioux Falls.....11:45 a.m. Saturday
KFAB, Omaha..... 6:45 a.m. Saturday

FUNK'S G HYBRIDS

FUNK BROS. SEED CO.
BELLE PLAINE, IOWA
AND ASSOCIATE PRODUCERS OF FUNK'S G-HYBRIDS

Full Swivel 1 or 2 Man McCulloch CHAIN SAW

Makes an easy job out of bucking, felling and limbing. Specially designed 5-hp. McCulloch engine, with floatless carburetor, permits operation in any position. *The 20" size weighs only 45 pounds!*

PRICES include short guard for one man use and long guard with extra handle for two men:
20" chain saw.....$389.00
36" chain saw..... 399.00
48" chain saw..... 414.00
18" bow saw 429.00
Prices F.O.B. St. Paul

ASK FOR CIRCULAR

POWER TOOLS, Inc.
1959 University Avenue, St. Paul 4, Minnesota

—PUT SOME OF THAT EXTRA CASH INTO SECURITY BONDS—

Workday Pointers

GRINDING home-grown grains for dairy cows saves 10 to 25 per cent of the feed, say Iowa State College dairymen.

▲ ▲ ▲

GROUND CORN COBS make good litter for poultry houses and good bedding for hog houses. They keep quarters dry.

▲ ▲ ▲

COARSELY ground alfalfa meal is as good for hogs as finely ground alfalfa, according to experiments at Iowa State College.

▲ ▲ ▲

DISEASE-INFESTED pig yards call for a ration better fortified with proteins, vitamins and minerals, says Damon Catron, Iowa State College animal husbandryman.

▲ ▲ ▲

THREE TO FIVE gallons of water are required for each gallon of milk a cow produces. A tank heater will make it more likely that the cow will get the water required.

▲ ▲ ▲

IT WILL PAY to make your hogs heavy if the price stays near its present level. But a price drop of a few dollars per hundred would take away all the profit in feeding 200-pound pigs.

▲ ▲ ▲

ROOSTERS can be finished for market in about 10 days on a wet mash. Feed equal parts of finely-ground corn and oats mixed with enough milk or whey to make the mixture pour.

▲ ▲ ▲

FIRE PROTECTION for tractors in dry corn fields suggests these precautions: (1) Be sure the fuel line from tank to carburetor has no leaks; (2) if the sediment bulb in the gas line is glass, replace it with a metal one; (3) keep manifolds and exhaust free from trash accumulation.

▲ ▲ ▲

COWS NEED six to eight weeks' vacation before they freshen. Milking the cow right up to calving time may reduce milk production as much as 30 per cent during the next milking period. Calves from milk cows that get no rest period may be weak from lack of Vitamin A in the first milk.

▲ ▲ ▲

COB PILES from new corn will likely have corn borers in them. You have until warm weather to get rid of the borers. Grinding the cobs for bedding will destroy the pests. Spreading the cobs on tight soils and plowing them under by May 1 will also prevent the activities of the egg-laying moth. Burning the cob piles will kill the borers, but it means waste and fire danger in many cases.

▲ ▲ ▲

COWS GETTING legume hay without silage should have one pound of high protein supplement to each nine pounds of farm grains, according to Iowa State College dairy specialists. With a mixture of legume hay and silage, the grain ration should contain one pound of high protein feed to eight pounds of grain. With no legumes, there should be three to three and one-half pounds of protein in each 10 pounds of feed.

PICKING UP 10 bushels of corn per day behind the corn picker means $13.80 for the day's work at corn loan prices.

▲ ▲ ▲

IF 80 RODS of temporary hog fence will let the brood sows pick up the corn on 40 acres behind the picker, you'll get big wages for the time spent fencing.

▲ ▲ ▲

THREE POUNDS of corn silage in the dairy cow ration will replace one pound of hay. But, as silage replaces legume hay, the protein content of the grain mixture should be increased.

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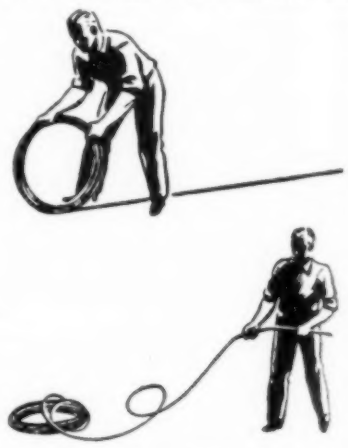
KINKS CAUSE breaks or weak spots in barbed wire, rope or steel cables. The wrong method of unrolling often causes the kinks. The illustration at the top shows the right way. This does not



twist the wire or rope. The method shown below puts in a twist for every coil pulled off. Some twists may result in kinks and breaks or weak spots. The right way of unrolling wire is usually the easiest way, too, as it avoids tangles.

▲ ▲ ▲

DEEP LITTER for hen houses produced better results at the Ohio experiment station than litter changed every two weeks. There were additions to the deep litter from time to time, but no changes.

▲ ▲ ▲

WITH CORN at the loan price of $1.38 per bushel, hogs at $18.50 would be at the average 30-year Iowa ratio between corn and hog prices. On the average, 100 pounds of hog have been worth about 13.5 bushels of corn.

▲ ▲ ▲

CORN ELEVATOR spouts should drop the corn against the edge of the crib. Then the shucks and chaff will be close to the outside air, where they can dry out. The big ears will roll down to the other side of the crib, leaving space for ventilation thru the corn.

▲ ▲ ▲

IF A WINDBREAK is to be set out next spring, there are several advantages in plowing and fitting the area for the young trees this fall. You will save time in the spring busy season, and the trees will start better on fall plowed land. Bulletin P-88, which can be secured by writing Iowa State College, at Ames, discusses evergreen varieties and methods of planting.

Brothers Dan, Jim and Gene Knight, Hamilton county, Iowa, have been harvesting corn together about as long as they can remember. They figure this year makes a half-century.

50 Years of Husking

Three Brothers Have Picked Corn Together Since They Were Kids

THE Knight brothers—Gene, Dan and Jim—have joined forces at corn picking time every year for half a century.—"since we were kids at home on Dad's farm."

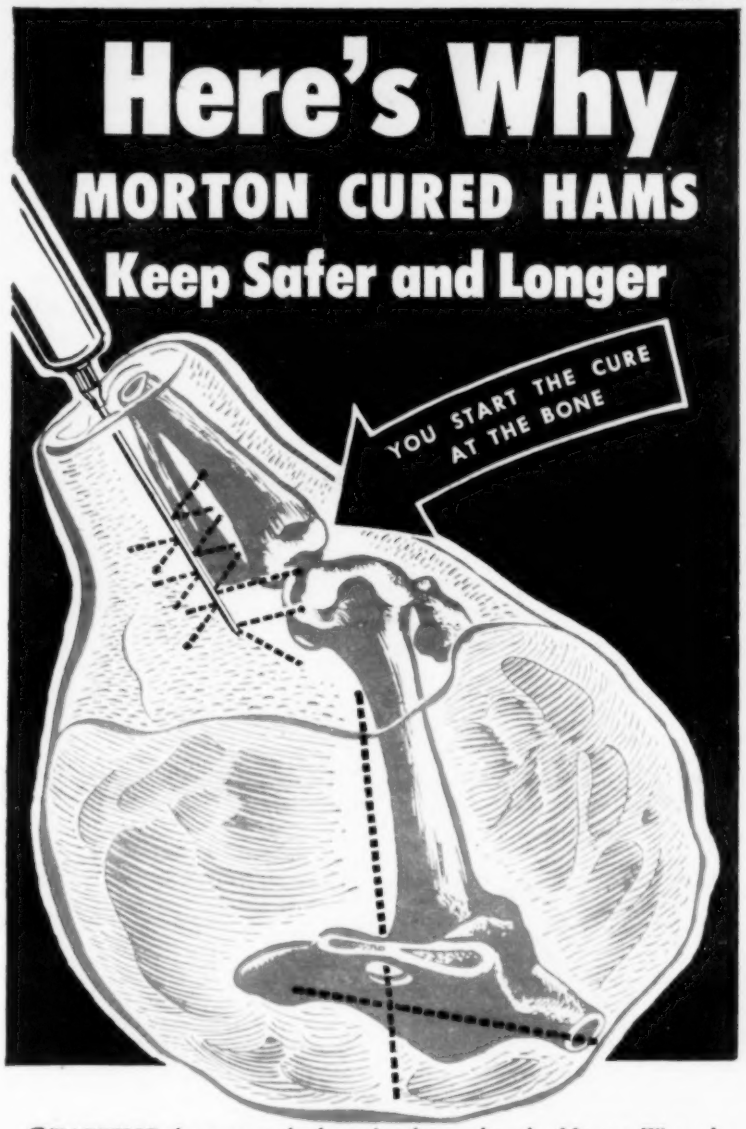
Today, they own farms near each other in Hamilton county, Iowa. This year, as always, they're trading work to harvest Gene's 60 acres of corn, Jim's 45 acres and Dan's 150 acres.

These pictures were taken at Gene Knight's, where regular cribs were filled and crop overflowed into temporaries. Knights figure all their corn will average about 75 bushels an acre.

Overflow crop (75 bushels per acre from 60 acres) is piled in temporary cribs at Gene Knight's place. Brothers Dan and Jim are helping as they have since the three were kids.

Eating harvest dinner together is old stuff to the three Knight brothers. Here, at Gene's place, they and their crew get ready for a busy afternoon as Mrs. Gene pours the coffee.

Here's Why
MORTON CURED HAMS
Keep Safer and Longer



STARTING the cure at the bone is what makes the Morton Way of curing meat so sure. It's at the bone area where bone-taint, off-flavor, and souring are most likely to develop. The Morton Way helps stop them before they ever get a chance to start.

And it's this simple to do. Dissolve Morton's Tender Quick in water for a fast-acting curing pickle. Pumped into the meat with a Morton's Meat Pump, this immediately starts the cure INSIDE — gives you a feeling of security and a certainty of results you get only with this method.

Here's why Morton Cured Hams taste Better

After starting the cure at the bone, rub the outside with Morton's Sugar Cure. This sugar-curing salt strikes in, curing toward the center, and gives your meat a rich, old-fashioned, wood smoke flavor.

The result of this double-acting cure — from the INSIDE out and from the OUTSIDE in — is the best tasting, best keeping meat you've ever had — mouth-watering goodness, sweet-as-a-nut flavor—no bone taint—no waste. Try the easier, simpler, safer Morton Way yourself this year. Morton Salt Co., 120 S. La Salle St., Chicago 3, Ill.

Cure your meat the improved

MORTON WAY

Preferred by more than a million Farm Families

Get this important book on meat curing

More than 1,000,000 copies of "Home Meat Curing Made Easy" have already gone in to farm homes. Shows how to butcher, dress, chill, and cure pork, beef, veal, and lamb . . . to make smoked turkey, Canadian Bacon, sausage. Tells the important things to do to get long keeping quality and fine flavor in home cured meat. Send for copy today. Just write name and address on margin and mail with 10¢ in coin to Morton Salt Co., P.O. Box 781, Chicago 90, Ill.

I save 2 HOURS A DAY with Jamesway

says Richard E. Carney, Girard, Ill., farmer

Would *you* trade 2 hours of back-breaking work for 2 extra hours of freedom? That's what Richard E. Carney did. Made all his barn chores easier, too — and boosted his milk checks 10%!

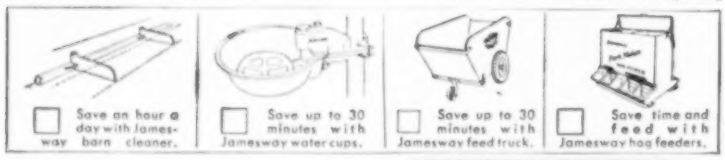
"I figure that my Jamesway barn will pay for itself pretty quick in time saved alone," says Mr. Carney. "Jamesway water cups save me an hour a day, my Jamesway feed truck saves 30 minutes, stalls and stanchions another half hour.

"What's more, with Jamesway ventilation, I don't have to run around opening and closing windows with every change in the weather. There are no drafts. So I can keep my herd of registered cows in healthy condition."

Now's the time for you, too, to save time the Jamesway. End the expensive, back-breaking way of doing chores. Jamesway equipment costs surprisingly little. Gives years and years of service. Ask your dealer! For free literature write James Mfg. Co., Ft. Atkinson, Wis., Dept. WF-1148

"I wouldn't be without my Jamesway feed truck," says Mr. Carney. "In one trip it does the work of 15 trips with a bushel basket."

Check this Jamesway Chart to See How Much Time You Can Save Every Day



World's Largest Manufacturer of Barn and Poultry Equipment

JAMES MFG. CO.

FORT ATKINSON, WIS. ELMIRA, N. Y. OAKLAND, CALIF.

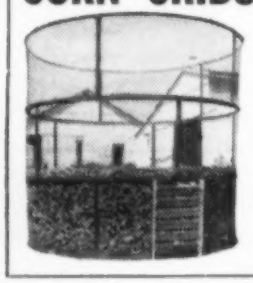
YOUR Jamesway DEALER

Look for the Store with the Jamesway Sign.

CORN CRIBS—IMMEDIATE DELIVERY

ALL STEEL—PORTABLE

EASY TO SET UP



Built in sections of heavy expanded metal (not woven or wire mesh) this easily set up and and movable corn crib can be built to any height. **No bolts or nuts**—sections pin in place, hold securely. **Limited supply—hurry.** Can be used for Soy Beans, etc.

WRITE FOR FREE CIRCULAR TODAY!

LOWEST PRICED all-steel crib on market, will last a lifetime, can be used also for hay, corrals, etc. **We also offer VENTILATORS for cribs you have.** STEEL CRIBS are hard to get—we can supply you immediately.

DEALERS—WRITE FOR FULL DETAILS

CROMB & GAGEL, INC. Dept. WF, Box 166 KANSAS CITY, MO.

HOUSING PROBLEMS SOLVED

WALNUT PRE-FABRICATION FOLDER—FREE

GARDEN COTTAGE

Low-cost, good-quality. Available now. Garden Cottage, 18 x 36 ft., two bedrooms. Easily erected. Insulated, good-looking, sturdy, durable. Excellent tenant houses. Farm buildings for every need. Write today.

GBH-WAY HOMES, INC. Dept. W Walnut, Ill.

NEWEST OTTAWA LOG SAW

Self-Propelled Moves Anywhere On Own Power

World's fastest Log Saw. Powerful 6 H-P air-cooled motor. Attachments for sawing down trees, buzzing limbs, post hole digging and pulley for belt jobs. Big demand for wood, pulp, posts. Make big money sawing wood this easy way. Low factory-to-user prices. Nothing like it. FREE details.

OTTAWA MFG. CO., 7-807 Pine St., **Ottawa, Kansas**

It Won't be long until ear-flaps are here again. The above picture looks funny (or did when this was written), even tho it was taken only last spring at W. J. Telfer's, in Jasper county, Iowa.

Tips for November

Here's a list of things to be thinking about this month, prepared for busy farmers by farm management specialists at Iowa State College.

▲ ▲ ▲

EARLY PIGS will pay best next spring, many good Iowa hog raisers believe. The hog market next year is likely to show more than the usual fall price drop, because there will be more hogs. Early pigs will help a man "get ahead of the crowd."

▲ ▲ ▲

GOOD HIRED MEN can make a lot of difference in the size of profits at the end of the year. Seward Smith, Hamilton county, Iowa, put running water and a toilet in his hired man's house. Such things make it easier to get and keep better help, he says.

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DAIRY CATTLE must be well fed to do the best job of producing milk. Francis Winslow, Grundy county, Iowa, is pushing his top cows. Cheaper feed prices make it pay to feed enough grain to good cows.

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SAVE HEIFERS from good milk cows. Dairy cattle prices are likely to hold up better than livestock prices in general.

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CRUSHED COBS make good poultry litter, says Maurice Akers, Franklin county, Iowa. They absorb moisture well. This helps to keep the poultry house dry. Akers uses a deep-litter system. He spreads the crushed cobs about six inches deep over the floor. Then, he only has to clean out the house a couple of times a year.

▲ ▲ ▲

FALL PIGS need well-bedded and comfortable quarters. Oren Dreier, Hardin county, Iowa, figures a little time spent in bedding fall pigs is well repaid by thrifty hogs.

▲ ▲ ▲

ELECTRIC LIGHTS in the hen house mean more eggs during winter months. F. E. Ferguson, Story county, Iowa, starts using lights in October. Purpose is to give hens a longer working day.

IDLE HORSE STALLS make no profit. Elmer Paul, Story county, Iowa, converted his stalls into farrowing pens. They make a nice, warm place to farrow early litters. He used removable panels for the pens. By lifting them out, the old horse barn becomes a shed for feeding hogs in the fall.

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A BUSINESS CENTER is a labor-saver on many farms. A special spot for desk, phone, etc., provides a place where farm and home records may be kept. It makes the home neat and attractive. It aids in keeping better track of where the dollars and cents go.

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CHILDREN LEARN to take care of their own things when they have a place for their toys and clothes. A Page county, Iowa, farm woman mounted a small box on wheels for playthings.

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MICE AND BIRDS can cause a lot of damage to small seeds stored in sacks or barrels. Patch holes in roofs or sides of buildings to keep them out—and snow and rain, too.

▲ ▲ ▲

DROPPINGS PITS for poultry save labor. And they are more sanitary, Nels Lund, Polk county, Iowa, has found. You only have to clean out the laying house once a year with pits. And hens don't get as much filth on their feet.

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GATHER AND CLEAN all garden tools. Rust damages tools in the winter when they are not being used. Use emery cloth or steel wool to polish the metal parts. Put motor oil or waste oil on all metal parts. Hang wooden handles down.

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COLD WEATHER calls for special household equipment care. Bring the washing machine into a warm room for a few hours. Or let the tub stand full of warm water for an hour before starting to wash. This warms the grease of the motor or engine. Hot water poured on a very cold porcelain tub may crack the enamel.

Pigs Need Complete Protein

It's the Kind of Mixture Fed, Not Just How Much, That Determines Gain Rate

THE kind of protein you give your pigs helps determine how fast they'll grow, say swine experts at the University of Minnesota.

A Minnesota test, reported at that state's Swine Feeders Day, shows that just feeding plenty of protein may not do the job. The feed must contain all the essential nitrogen compounds of which proteins are made.

That's why feeds from vegetable sources high in proteins are not satisfactory alone. Pigs need animal proteins, too. The ideal combination is good pasture plus both animal and vegetable proteins.

Tests were made on 61-pound pigs, fed different protein mixtures for 100 days. All pigs got yellow shelled corn and a complex mineral mixture, fed free choice.

Lot 1 got a protein mixture that was 75 per cent tankage and 25 per cent alfalfa meal.

Lot 2 had 25 per cent alfalfa meal, 50 per cent linseed meal and 25 per cent tankage.

Lot 3 had a completely vegetable protein, composed of 75 per cent linseed meal and 25 per cent alfalfa meal.

Lot 4 was fed 73 per cent linseed meal, 25 per cent alfalfa meal and 2 per cent of an amino acid called "lycine."

In 100 days, pigs in Lot 1 (tankage and alfalfa meal) gained 154 pounds, ate 344 pounds of feed per 100 pounds of gain. Lot 2 (alfalfa meal, linseed meal and tankage) gained 161 pounds and ate 358 pounds of feed for each 100 pounds of gain.

Lot 3 (linseed meal and alfalfa meal) gained only 142 pounds, but ate 399 pounds of feed per 100 pounds gained. Lot 4 also gained 142 pounds, with feed consumption of 375 pounds per 100 pounds of gain.

The combinations of animal and vegetable proteins in Lots 1 and 2 made the largest gains on the least feed. The pure vegetable proteins in Lot 3 gave poorer results. Lot 3 also ate an abnormal amount of proteins and minerals.

While the addition of the amino acid lycine to Lot 4 did not increase the rate of gain, it was a definite benefit. Difference in feed consumption in Lots 3 and 4 was entirely due to the protein and mineral. Both lots ate the same amount of shelled corn.

Also, the pigs in Lot 3 did not fatten as rapidly as those in Lot 4. They were narrower over the backs and longer in the legs.

Biggest corn always is at edge of field, where air gets to it, says Lee Johnson, Greene county, Iowa. So this year he grew corn and beans in alternate four-row strips. Both crops are good, but some farmers might ask what would happen to corn in very hot, dry year.

To all Dairymen:
For years few people were aware that improper machine milking injured cows' teats and udders ...and often led to mastitis. But today many dairy experts and dairymen appreciate these dangers to udder health.

Years ago we concluded that mastitis could be eliminated for the most part by proper milking. So we developed a low (10 inch) vacuum milking machine with teat cups that definitely do not crawl.

Today we have hundreds of letters from outstanding dairymen all over the country who say we are right. Read this evidence:

VIRGIL F. ALBERT, Mgr., NASHOTAH MISSION HOUSE FARM, NASHOTAH, WIS., says: "The MARLOW MILKER has helped us clear up our severe mastitis condition. When we put in the MARLOWS, we had only four cows with sound udders, and only one with even fair quality. Now, four months later, our production is way, way up. We have had three consecutive bacteria counts of 100, and our veterinary rated all udders good."

S. E. JONES, HERDSMAN, YANKTON STATE HOSPITAL, YANKTON, SO. DAK. "We milk on the average of 85 to 100 cows daily and use all kinds of help; but even so we do not have the trouble with swollen quarters that was quite prevalent previous to the installation of the MARLOW MILKER. We are pretty well convinced that the other milkers were causing about 99% of our udder troubles."

The MARLOW MILKER sales organization is growing rapidly and needs more representatives all over the country. We prefer to work with competent dairymen...men with dairy training... men who can really appreciate that the MARLOW MILKER will go down in history as the greatest contribution of all time to the dairy industry.

If you know cows and would like to join an organization that is contributing an outstanding service to dairymen--the greatest milking service in America today--write to us.

Qualified representatives everywhere say our training and our support are the finest in the field. Valuable territory still open for good, wide-awake men.

Don't pass up this big opportunity to build a profitable and permanent business for yourself by improving udder health, milk quality and milk production in your community. Prompt action today will eliminate regrets later. If you are interested write me today giving an outline of your qualifications and background.

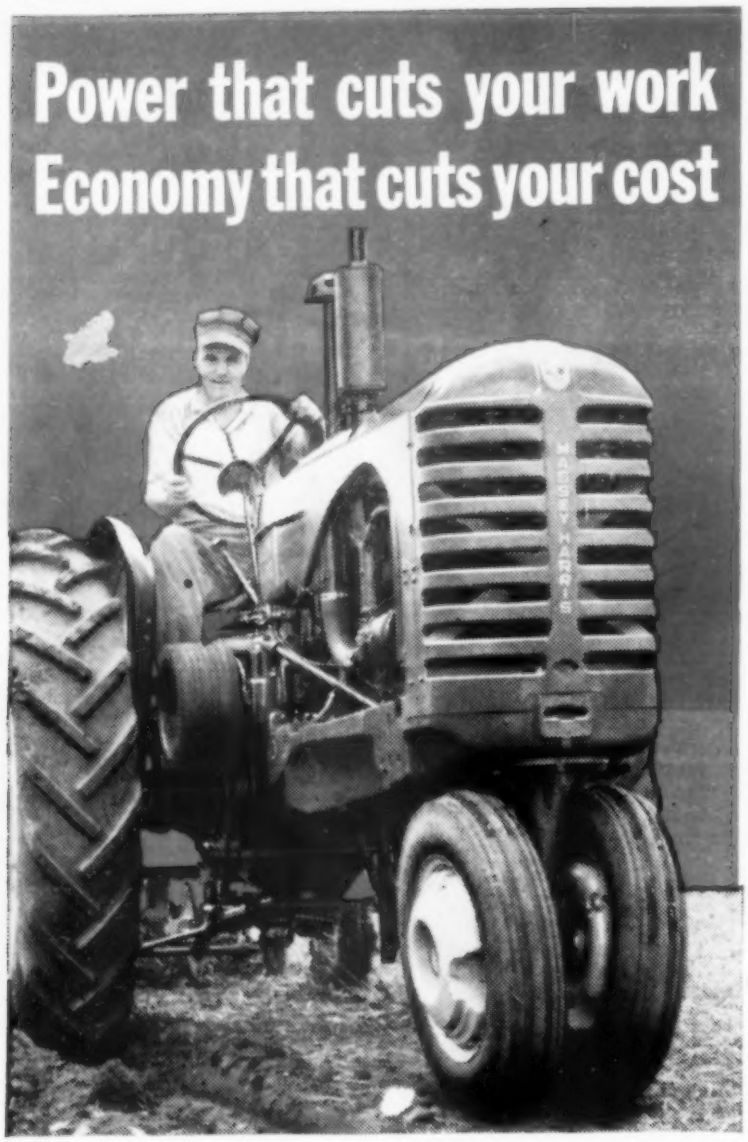
J C Marlow

J. C. MARLOW MILKING MACHINE CO.
Dept. I • Mankato, Minnesota

POSITIVE Money-Back Guarantee!
Use the Marlow Milker 90 days according to instructions. If not satisfied for any reason, your money cheerfully refunded.

MARLOW MILKER

DEFINITELY EASIEST ON UDDERS!



• One look at a Massey-Harris Tractor and you know that here is the kind of tractor you want — powerful, rugged, dependable.

But to actually know how good a Massey-Harris is, get up on the seat and drive one. Put it to any belt or drawbar job within its power range. Watch it take each job in its stride . . . how it smiles at hilly land or heavy soils . . . how it settles down and actually lugs a little harder when the going gets tough.

It's out in the field, too, that you get to know the real comfort of a Massey-Harris for sun-up to sun-down operation — the easy steering, easy handling, complete vision — the convenient and easy adjustability of Massey-Harris tools and attachments that make good work a matter of course.

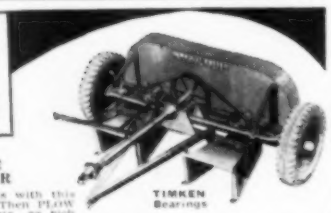
In the fuel tank at the end of the day . . . in your books at the end of the season . . . in the year-round performance there's the dollars and cents difference that means much to profits. Low fuel and oil costs, and rugged construction pay off in economical maintenance and longer life.

Among the six basic models, there's a size and type to fit your crops, your acreage, your conditions. Talk it over with your Massey-Harris dealer or, for a complete tractor folder by mail, write to Massey-Harris Company, Racine, Wisconsin, Dept. 25.

Make it a Massey-Harris

MASSEY M-H HARRIS

New Humboldt CORN STALK CUTTER



PLOW STALKS UNDER
BUILD UP YOUR SOIL—DESTROY CORN BORER

Chop up and spread old corn stalks with this great New HUMBOLDT CUTTER. Then PLOW UNDER the stalk and corn remnants, so Fall in nitrogen and soil nourishments. Also plow under the CORN BORER larvae in the old stalks, the method state authorities recommend for killing them and stopping reinfestation. Tractor drawn—power take off driven. GUARANTEED against faulty workmanship and materials.

HUMBOLDT HYDRAULIC LOADER—Famous for ease of operation, big capacity and sturdy construction. Check its features! 1. No framework above the tractor. 2. No cables. 3. No cylinder side-sway. Cylinders are not used as bearing—longer life for leather and packing. 4. Easily attached on almost any row crop machine. 5. GUARANTEED workmanship and material. See your HUMBOLDT DEALER about Humboldt Cutters, Loaders, Disc Transports, Tractor Wheel Mud Cleaners, or write—

THE SILBAUGH MFG. CO. DEPT. W-11 HUMBOLDT, IOWA

Buy a Bond to Help Your Country and to Help Yourself in Later Years

Here's How corn crib looked before Stuart Elson, Dallas county, Iowa, poisoned rats and rat-proofed his buildings. Rats ate lots of corn—most of these cobs were shelled by the rodents.

There's No Profit In Rats

With Four Simple Steps, Stuart Elson Stopped Building Damage, Grain Waste

THERE'S no market for rats—even fat ones. So Stuart Elson, Dallas county, Iowa, decided to run 'em off his place. He did it, too—easily and effectively.

Elson had a real rat problem a couple of years ago. Rats were everywhere. Building foundations were being undermined. The dollars-and-cents value of destroyed or contaminated corn was huge.

Those rats were eating into the profits Elson earned by milking a small herd of dairy cows, feeding 60 steers and raising 100 pigs per year.

So, with the help of Dr. Harold Gunderson, extension entomologist at Iowa State College, Elson went to work on the pests. Now, you seldom see a rat on the farm.

How was it done? First job was to clean up all rat harbors. Posts and lumber were stacked a foot off the ground. High weeds were cut. Trash and junk were burned or buried.

Reason for cleaning up, Gunderson says, is that rats don't like open places. Also, a clean-up concentrates the rodents in fewer places, making poisoning simpler and more effective.

Next step was to pre-bait. That means setting out weighed portions of unpoisoned bait for a few nights. This shows how many rats you have—a pound of bait makes a night's meal for 100 rats. And it gains their confidence, gets them coming to certain spots for dinner.

Elson used horse-meat for bait, pre-baited two nights. First night, all bait was taken, so he doubled the amount next night. Amount eaten showed there were about 750 rats on the farm. Uneaten bait was picked up each morning.

Gunderson says rats will eat anything humans eat. Anything rats don't ordinarily get in large amounts makes good bait. Ground meat or fish seems to work best.

Third step was the poisoning. Elson used red squill—mixed with the horse-meat. Pets and livestock were penned up until the bait was picked up next morning.

Bait was placed on short lengths of board. Boards keep bait clean and in plain sight, make it easy to pick up uneaten bait. Bait can be protected from livestock by fastening a slanting board to a building so it covers the bait board. Or a V-shaped cover can be used.

With the poisoning done, Elson rat-proofed all his buildings. Since unsound buildings are an invitation to rats, he started by repairing and patching holes in old foundations and fixing floors.

Then door jambs, sills and bottoms of doors were lined with sheet metal. All pipes and wires were given metal collars where they enter buildings.

Corn cribs got special attention. Half-inch mesh hardware cloth was placed around crib walls to a height of two feet, and topped by an eight-inch strip of metal.

Crib floors were covered with quarter-inch mesh hardware cloth. The finer mesh inside makes corn scooping easier. Cracks or holes in siding boards were covered with tin or netting. So were holes in the roof and around corners.

Elson poisoned a second time last year, using antu. Reason for the change was that rats which survive a session with red squill won't touch it again.

This year, Elson is patching up his rat-proofing and carrying out another poisoning program. Even tho you get rid of all your rats once, others may move in.

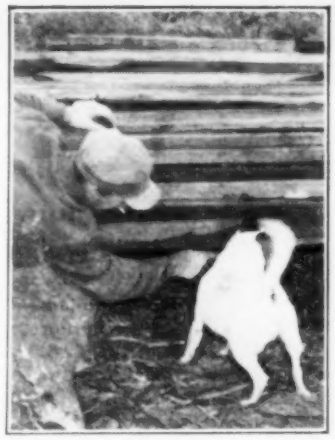
Rat-control is a year-around job. Rats move long distances. In Iowa, they start to breed at three to four months, produce litters of nine or ten. Each female will have six to eight litters a year.

Using those figures, a statistician estimates that descendants from one pair of rats might exceed 350 million in only three years.

Recipe for Rats

These simple steps will help you get rid of rats.

- **Clean Up**
  Dispose of trash under which rodents can hide.
- **Pre-Bait**
  Put out unpoisoned food to gain their confidence.
- **Poison**
  It's faster, more thoro, than traps, dogs, cats.
- **Rat-Proof**
  Discourage rats by keeping 'em out of buildings.



1 First step in rat control is clean-up. Boards are piled a foot off the ground, to do away with hiding-places.

2 Poisoned bait does best job when placed on boards, with V-shaped covers to protect livestock. Here, Dr. Harold Gunderson, Iowa State College, shows how it is done.

3 Rat-Proofing is final step in control program. After rats were poisoned, Stuart Elson, Dallas county, Iowa, lined crib with hardware cloth topped by metal strip.

4 Door sills, bottoms and jambs on Elson farm were lined with scrap metal strips. This keeps rats out of the buildings, and does away with damage done by gnawing rodents.

My cooling system is sitting safe and pretty

by don herold

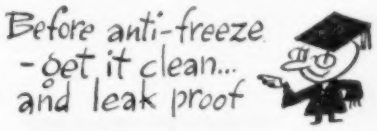
Last year I had to beg any old anti-freeze I could get.

But this year I am snootier.

I've studied the whole anti-freeze line-up, and consulted some scientific birds. Folks really in the know agree on NOR'WAY* and PEAK* because they're both made by one of the great chemical concerns in America—Commercial Solvents Corporation—leading makers of such things as penicillin, riboflavin, ammonia and over 200 fine industrial chemical products.

The best money-saving anti-freeze I've learned about is their NOR'WAY. It costs little and you need less of it than of other types to keep your radiator from freezing. (It has a dandy ingredient that helps to reduce evaporation.) It has a methanol base—does not smell boozy—and contains one of the finest anti-rusts ever created.

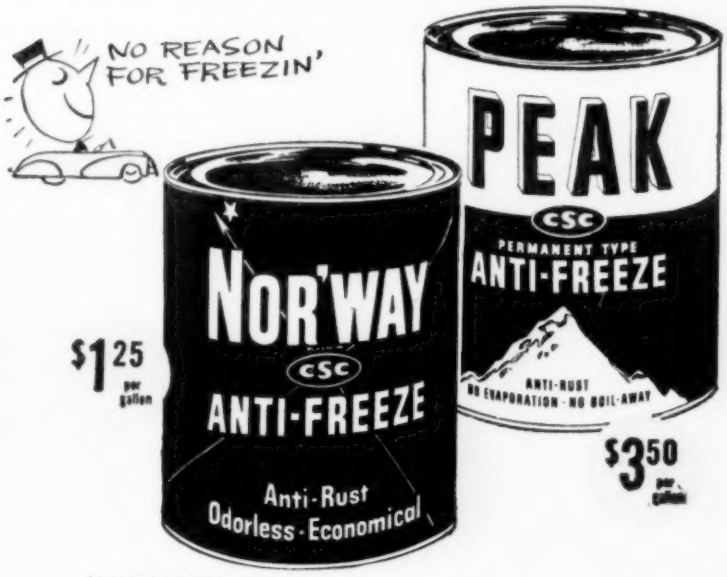
Or if you want a permanent type anti-freeze, PEAK is tops. It's guaranteed to last all season in a properly prepared cooling system—won't seep—circulates freely—embodies one of the finest anti-rusts—won't hurt rubber or clog radiators. Seems perfect.



BUT BEFORE ANTI-FREEZE

To be real fair to your car however, have some things done before you load up on anti-freeze. Get a good service man to tighten hose connections, check the thermostat, clean the cooling system of summer slime (rust, scale and grease.) For this he'll use NOR'WAY CLEANER or NOR'WAY QUICK FLUSH. Then get him to use NOR'WAY STOP LEAK to seal any leaks—present or future—so you won't lose your anti-freeze.

For the first winter in years I feel that my cooling system is as safe and snug as a bug in a rug.



*Reg. U. S. Pat. Off.

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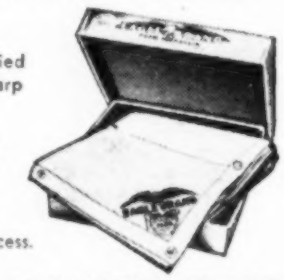

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No Slump Expected Next Year

Economists Say Spending For Defense And Foreign Aid Will Keep Boom Going

Each fall, farm economists from every state in the nation meet with experts of the U. S. Department of Agriculture to talk about the farm outlook for the next year. Here is a report on the 25th outlook conference, held in Washington last month.

PROSPERITY will continue into 1949. That is the opinion of the Bureau of Agricultural Economics. And economists from the Departments of Labor and Commerce and the Federal Reserve Board agree.

Big reason for this optimism is government spending for defense and foreign aid—to the tune of almost 20 billions in the year ending July 1.

This spending has been slow to get started. But it is picking up fast—and its effects will be felt between now and next summer. That kind of money, the economists say, is sure to keep business humming and demand strong.

Only pessimistic note for farmers is sounded by BAE Chief O. V. Wells. Farm prices next year, he says, will average close to 1948. But farm costs will stay high, too. So net income in 1949 might be somewhat lower than this year.

What about the outlook beyond next July 1? That, say the economists, depends upon world conditions. One of three things could happen:

1. World conditions could improve. That would mean less military and foreign aid spending in the last half of 1949 and in 1950. In that case, says the BAE, unemployment could reach four and one-half to five million, wholesale prices could drop 10 per cent, and farm prices would fall to an average of about parity.

2. World conditions could stay about as they are now. Then government spending would stay about the same, too. Wholesale prices wouldn't change much, prices of livestock products would hold about where they are, other farm products would drop slightly because of larger supplies.

3. World conditions could take a turn for the worse. Then military spending might go up sharply in late 1949 and 1950. In that case, the boom would continue, wages and industrial prices might rise still higher. So would prices of meat, milk and eggs. Export crops, such as grains, fats and fruits might not go up much unless crops were short next fall.

In any event, say the economists, no skid such as we had in 1921 is likely. Their arguments: We have no strain on credit now; major farm products have price supports; heavy industries have order back-logs; wages are more stabilized; foreign aid hasn't ended; government spending for social security would go up if unemployment rose.

One strong dissenter to this point of view is Dr. John D. Clark, member of the president's council of economic advisers. If a depression gets started, warns Doctor Clark, it can't be sugar-coated—we'll really feel it.

Some BAE commodity specialists also are a bit pessimistic. They can't see how huge farm exports can keep going when foreigners can't pay for them. Others answer that our foreign policy will require us to keep on financing grain shipments at fairly high levels.

Here is a round-up of the commodity outlook as the BAE sees it:

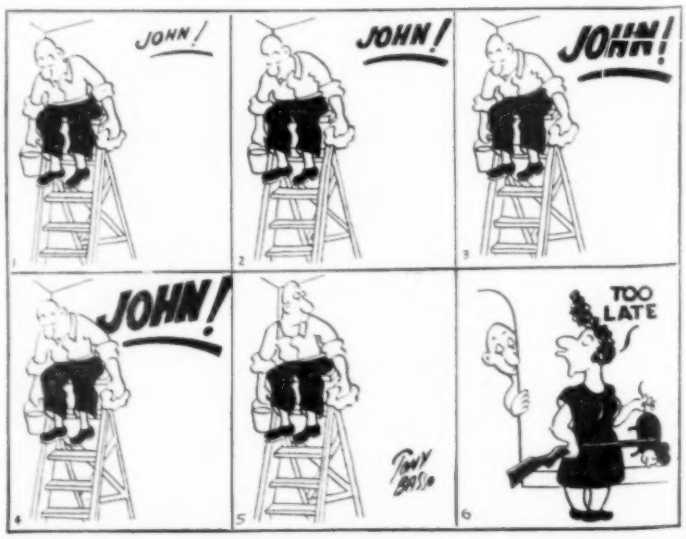
Meat Animals: Strong consumer demand will hold prices next year close to 1948 levels. More hogs next fall will cause prices to drop more than seasonally—but hogs still will earn good money next year.

Dairy Products: Demand will stay strong. Prices will average about the same as this year.

Eggs and Poultry: Farmers will raise more chickens and turkeys. So prices may average lower in 1949, tho most of the drop will come toward the last of the year.

Feed Grains: Prices will hold close to support levels this winter. They'll be unusually low compared with livestock prices, so feeding will be encouraged.

Soybeans: Prices are near support levels now. But a later rise is expected.



Extra Room for big corn crop was fixed up in a hurry by Virgil Miller, Polk county, Iowa. He cut posts from timber, laid cement blocks for floor, and added cross-pieces and wire siding

You Can Seal Corn Or Sign Option

Two Methods of Corn Price Support Are Explained — Both Available to June 30

YOU don't have to sell corn below the sealing price if you have a safe place to store the corn. Corn loans or purchase agreements are available now.

The corn loan rate varies from $1.35 to $1.41 in Iowa counties. The purchase agreement pays you the same price for the corn. But in other ways there are differences in the two methods. Let's take them up separately.

You get the money now if you seal the corn. The sealing fee is 1 cent per bushel, with a minimum of $3 per loan. The interest rate on the loan is 3 per cent. The loan matures September 1, 1949, at which time the government will take the corn in payment of the loan.

If there is any runover on a crib of sealed corn, the extra bushels will be taken at the loan price.

In order to get a corn loan, your crib and the corn must meet certain specifications. Corn can not have more than 20.5 per cent moisture. Crib widths are limited according to the area and the moisture in the corn.

For 20.5 per cent moisture corn, cribs in extreme northeast Iowa must not be more than six feet wide. Moving southwest, there are seven and eight-foot belts. In extreme southwest Iowa, cribs may be nine feet wide.

Wider cribs can be sealed, however, if the corn is dry enough. Here is the rule: For each additional foot, or fraction of a foot, the corn moisture must be 1 per cent less.

For example, if you are in the eight-foot area, and you have a nine-foot crib, the corn must not have more than 19.5 per cent moisture. Ten-foot cribs would have a maximum of 18.5 per cent.

Round cribs can be sealed if they have floors and roofs. The roof must not lie on the corn. The width of a round crib is figured as being two-thirds of the diameter. A ventilator thru the center of a round crib 16 feet in diameter makes it classify as an eight-foot crib.

The purchase agreement does not require crib inspection by your township corn sealer. You don't borrow any money or pay any interest. There is an agreement with the government to buy your corn at the sealing price during next September.

You pay one-half cent per bushel, or a minimum of $1.50, for this option to sell. You don't have to deliver the corn, but, of course, if you sell the corn somewhere else, you will lose the half cent a bushel.

If you sign the purchase agreement, you must deliver at least No. 3 corn next September. Lower grades will not be accepted. No. 3 corn must not have more than 17.5 per cent moisture, 4 per cent cracked kernels or foreign material, and 7 per cent damaged kernels.

You have until June 30 to seal your corn or sign the purchase agreement. See your county AAA committee for further details and for the sealing price and special regulations for your county.

Give Your Cows A Haircut

Now is the time to clip dairy cows. Clipping flanks, bellies and tails of cows does more than improve their looks.

It cuts down the work of keeping the cows clean, reduces sediment in the milk, lowers the bacterial count, improves flavor of milk, increases keeping quality.

It's a big step toward the production of higher quality milk.

New COATS CORN STALK SHREDDER

This new Coats Corn Stalk Shredder is the best thing you've ever seen. Shreds old stalks with one trip through the field. Exposes corn borers to killing sun, winter freezing. The perfect preparation for clean plowing . . . saves one trip on spring discing. Shredded stalks build soil faster, boost your yields.

EXCLUSIVE FEATURES IMPORTANT TO YOU

Shredder boxes enclosed on three sides cut better, check dust and debris. Shredder spreads stalks evenly for plowing or discing . . . saves one discing trip. Perfect balance . . . easily adjusts from tractor seat. Hammers, similar to a hammer mill, rotate at 1500 R.P.M.
Save work, boost yields, check borers, too, with this handy shredder.
WRITE for free, illustrated literature TODAY!

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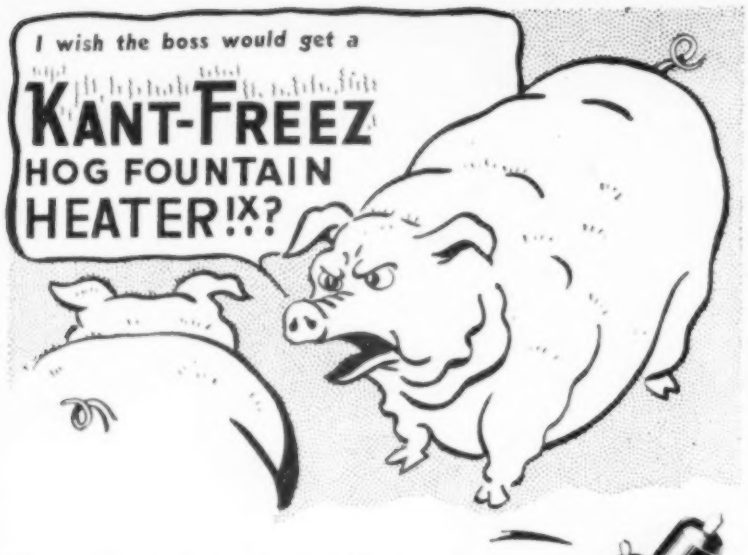
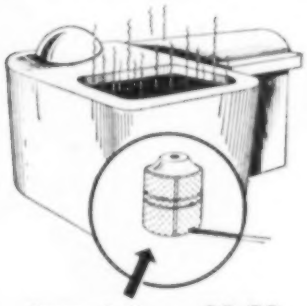


Keeps Your Hog Waterer Ice Free All Winter



Burner Unit Ready To Install $8.50

Stays lighted in a 50 mile wind. No maintenance . . . trouble free . . . no trimming of wicks . . . one match does the job. It can be installed in any hog waterer.

Gas service provided by any Rapid Gas or Thermogas dealer at regular low cost. One bottle of gas should last three months or longer.

Available from your Rapid Gas or Thermogas dealer today . . . or sent prepaid on receipt of $8.50.

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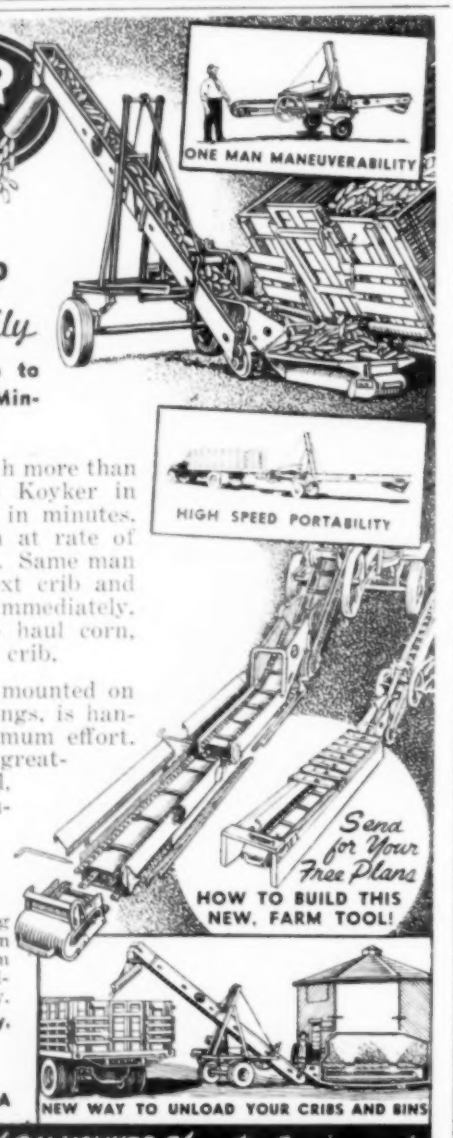
For your nearest Rapid Gas or Thermogas Dealer, write to 2200 A Street, S. W., Cedar Rapids, Iowa

KOYKER THE ONLY ONE MAN PORTABLE ELEVATOR



Cribs
BIG CORN CROP
Quickly and Easily

Move KOYKER from Crib to Crib and be Loading in Minutes . . . with One Man!

Most ideal for farmers with more than one crib. One man puts Koyker in place and has it running in minutes. Loads crib with ear corn at rate of 750-1000 bushels per hour. Same man moves entire setup to next crib and starts loading almost immediately. Only one man needed to haul corn, handle elevator, and load crib.

Light, well-balanced, and mounted on auto type wheels and springs, is handled and turns with minimum effort. Self-contained engine for greatest portability. All steel, built to last. Expertly constructed.

LABOR-SAVING CHUTE EMPTIES CRIBS FAST

Install chute for Koyker drag feeder now. With drag feeder in chute, ear corn is carried from crib to truck almost automatically. Send for free plans today.

See your Koyker Dealer Today, or Write us Now!

KOOIKER MFG. CO.
Dept. WF-11 HULL, IOWA

One Man Operation with All KOYKER Elevator Equipment

You See lots of machines on Iowa farms these days that would have scared Grandpa half to death. This is a sweet corn topper used by a Tama county cannery to chop off tassels and upper leaves so picking is easier. Equipped with boom, it also serves as a sprayer.

See Wider Use Of Power Sprayers

County Agents Report Little Crop Damage. List Common Complaints Against Equipment

How is that newest piece of farm equipment — the power sprayer — going over on midwest farms? To find out, the farm equipment division of Century Engineering Corp., Cedar Rapids, Iowa, questioned county agents in nine states.

Here's what 52 Iowa extension directors, representing just over half the farms in the state, had to say.

POWER sprayers will be used more and more on Iowa farms in the future. That's the opinion of Iowa extension directors, replying to a survey on farm spraying.

Many Iowa farmers who have hired their spraying done, now intend to buy sprayers of their own, the survey indicates.

Power spraying for weed or insect control was done on at least 70,000 Iowa farms this year, extension directors report. About 70 per cent of this was custom spraying. Less than one-third of the farmers now own sprayers.

That means a lot of farmers will be in the market for sprayers before long. If you're one of these, you'll find valuable advice in the suggestions for sprayer improvements made by county agents in Iowa and other midwest states.

To get these ideas, the survey-takers asked county agents to list the points on which sprayers could stand most improvement. To make sure the ideas were the agents' own, no suggested improvements were listed.

Suggestions listed most often in survey replies were these:

Provide better filters to stop nozzle clogging; price sprayers according to quality; build high clearance equipment; make sprayers versatile enough to use on several jobs; provide variable pressure range; improve pumps; provide drops or nozzle extensions for corn borer control work.

Makers of spray equipment, working closely with farmers, already have built many of these suggested improvements into their machines.

Survey replies offered these suggestions for the man about to buy a sprayer:

Can you easily raise and lower the boom or raise the boom ends for fence-row spraying? In corn borer territory, are nozzle extensions or drops available? Can the unit be used for livestock spraying? Can it be used on several crops at different rates?

Farmers who now have sprayers also would advise you to watch for convenient pressure regulators, pressure indicators and easy mounting.

Of the 52 Iowa extension directors reporting, only 10 expected the use of power sprayers in 1949 to be about the same as this year. The rest expect an increase.

Tho Iowa was third in percentage of farmers owning sprayers, it led other midwest states in percentage of farmers doing some crop spraying. Most spraying was done to control weeds in corn, with oat spraying next in order. Weed killers were widely used on pastures, roadsides, fence rows.

In spite of early-season fears, Iowa extension directors did not think damage to sprayed crops had been heavy. Twenty-nine said little or no damage had occurred. 17 voted for "some" damage; only five said "considerable" damage.

Sprayers can be busy machines, the survey showed. Besides being used for weed and corn borer control, sprayers have been used for: Fly control in buildings, control of pests on livestock, pond spraying to kill mosquitoes, water pumping, fire protection, control of legume insects to boost seed production, grasshopper control and even for car washing.

SERVICE BUREAU

The Sign of Protection

Advertisers in Wallaces' Farmer and Iowa Homestead are reliable. We guarantee subscribers against loss thru trusting advertisers in this publication who prove to be deliberate swindlers; we do not attempt to adjust minor differences between subscribers and honorable business men nor pay the debts of honest bankrupts. This guarantee is effective only when a subscriber answers an advertisement within 30 days after it appears in this publication, and the subscriber must have mentioned Wallaces' Farmer and Iowa Homestead when writing the advertiser. All complaints must be reported to us within 60 days after the transaction causing the dissatisfaction.

He Stole From Farm Home

A $50 reward has been paid by the Wallaces' Farmer and Iowa Homestead Service Bureau to William K. Young, Shelby county, Iowa, farmer, for his part in the arrest and conviction of a thief who took money from the Young home.

Gwynne (Jack) Howell has been sentenced to 10 years at Fort Madison. Judge Harold Davidson, of the Shelby district court, pronounced sentence 16 days after the crime was committed.

The Young family had left their farm in the southwestern part of Shelby county early on the morning of August 29, to visit the State Fair. When they returned home late that evening, they noticed a piggy bank was missing, and that a baby's bank had been broken open.

They called Shelby County Sheriff Gearhardt early next morning. Since many thefts had been reported in Cass county, Gearhardt called up Sheriff Jordan, at Atlantic.

Howell was arrested and held by Cass county authorities on September 6, and was turned over to Shelby county for trial.

Howell was wanted by authorities in Cass, Audubon, Guthrie and Dickinson counties, in connection with burglaries. Dallas and Adams counties also wanted to question him regarding automobile thefts.

Police sought unsuccessfully to link Howell to the $124,341 robbery of Herman Schultz, Le Mars millionaire, last May 15. Howell remarked that only $118,000 was taken, but that he knew nothing of the robbery.

Service Bureau member helped send Gwynne Howell to penitentiary for farm theft.

Is He Or Isn't He A Farmer?

To the Editor: How does the income tax law define a farmer?—J. D., Jackson County, Iowa.

A tax-payer qualifies as a farmer if two-thirds or more of his income is derived from farming.

How Much For Post-Holes?

To the Editor: What should be the charge for custom work with a post-hole digger?—C. P., Cherokee County, Iowa.

A survey among Iowa farmers, made by Wallaces' Farmer and Iowa Homestead, indicates 10 cents per post-hole was the average charge.

Who Owns Corn At End Of Lease?

To the Editor: My lease is up January 1. If my corn is not all picked by then, who will it belong to?—W. G., Monona County, Iowa.

The corn would still be owned by the parties who owned it before the lease was terminated. Only crops that continue to take nourishment from the soil go with the title when a lease is ended.

Tenant Is Liable For Reasonable Time

To the Editor: For how long is a tenant responsible for delivering the landlord's share of corn to the nearest elevator? — C. T., Woodbury County, Iowa.

Liability would continue, especially if the lease is renewed. If the tenant leaves the farm, then he would be bound to deliver the corn within a reasonable time after the lease expires. What a reasonable time would be has never been determind by our courts.

How Divide Custom Earnings?

To the Editor: When two men own a corn picker together and one of them owns the tractor used, how should custom earnings of the unit be divided?—Mrs. R. C., Mahaska County, Iowa.

Engineers at the University of Minnesota have figured out the cost of operating farm machinery. Using their figures as a basis, it would seem that, after deducting wages for the operation, a four-to-ten ration would be fair. The owner of half the picker would get four 14ths of the earnings. Owner of the tractor and half the picker would get ten 14ths.

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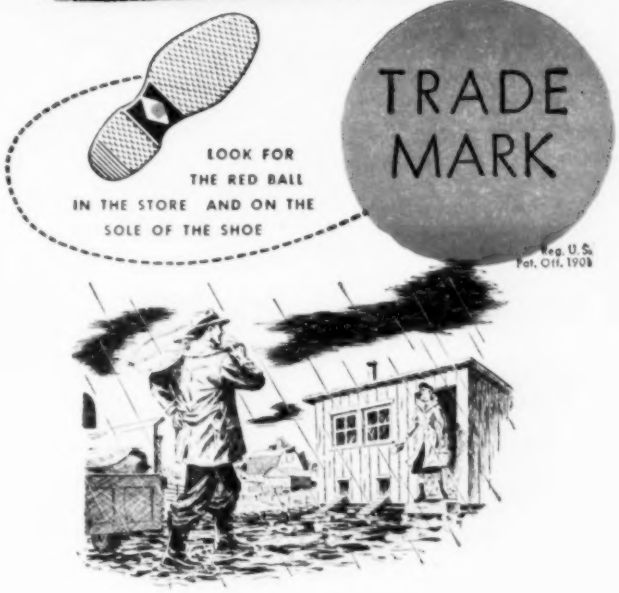

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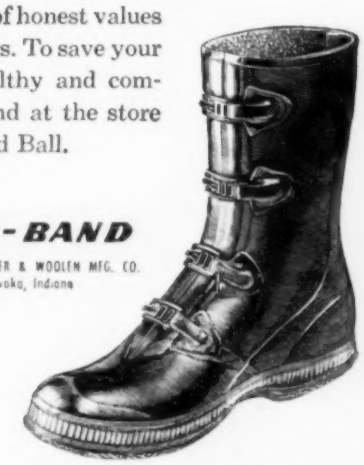

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CHICKASHA, OKLA.—Harold Poag, 18, of this city, took Championship Honors for Senior Calf at '47 International Livestock Exhibition. Local blue-ribbon winner has also been awarded free trips to American Royal Livestock Show by Oklahoma City Chamber of Commerce.

Harold Poag and Calf

His favorite hobby, says Harold, is feeding calves! Likes to watch 'em grow. Has done good job growing himself . . . packs 200 pounds on a sturdy 5'11" frame! Anything to do with all the Wheaties Harold's eaten since childhood? First heard about these 100% whole wheat flakes on the radio . . . years ago. Asked mother to get the "Breakfast of Champions" for him.

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Washington Wire

How Do You Bet On World War III?

Here's What News Headlines Mean To Iowa Farm Operators and Homemakers

WASHINGTON, D. C.—What does the big news of the day mean to farmers? When a farmer or his wife reads a paper or listens to a radio, he or she wonders: "What is this going to mean to my life or my business?" In the following, our Washington correspondent, assisted by the editors of Wallaces' Farmer and Iowa Homestead, answers some of these questions:

Bigger stock-piles of wheat, corn and other farm products are being called for. Congressman Hope, Republican farm leader, is one of the advocates of bigger stock-piles. Why?

Fear of World War III is one reason. By accident, we went into World War II with big wheat and corn reserves. Many would feel safer if we had big reserves now.

Political trouble in cutting down production is another reason. Under the new law, cotton, corn and wheat stocks will soon be so large as to call for marketing quotas, etc. Many farmers won't like this.

But if the law is changed to provide for bigger stock-piles, then the day of difficult adjustments can be postponed.

With cheap corn and high livestock, you'd expect a large increase in livestock production. But will we get it?

The December pig survey will tell. Meantime, Carl Malone, of Iowa State College, told the outlook conference at Washington that farmers were jumpy about the future, might not increase pig production as much as expected.

Since nobody knows what supports will be after January 1, 1950, farmers are entitled to some doubts about heavy production of late 1949 pigs. At loan levels for corn, a farmer can make money on $18 hogs. At cash levels of $1.15, he can make money on $15 hogs.

Whether high prices continue turns in part on how much money we spend on aid to Europe. For instance, are we going to put up the cash to help arm western Europe?

All sorts of guesses are being made, from two billion to five billion over the next few years. Some folks think we may start a new kind of lend-lease that will cost even more than this.

Plan is to build up a western European army of 45 divisions, strong enough to stop Russia on the present frontiers if necessary. To build such an army would take several years, lots of money and supplies. We would have to put up most of the guns and cash.

Are we going to hand out more money to China?

Very probably. During his campaign for president, Governor Dewey pledged the new administration to give more aid to the nationalist government against the Chinese Communists. Yet, in the past, about 99 dollars out of every 100 that were sent over to China have been entirely wasted.

What should be done to reform the Chinese government so that it can use our aid effectively is the puzzle. Nobody has the answer as yet.

What do all these preparations for World War III mean to farmers?

That taxes will stay high, that give-away exports will be large, and that inflation will stay with us for a while. Exports of food will be less important, however, than exports of arms and machinery. The continuing war boom, therefore, is more likely to boost the prices of non-farm goods than to help farm products.

Is our own military budget going higher?

Probably. Present estimates are 15 billion for next year; but this may be pushed up to 20 billion. One trouble here is that army, navy and air force are still running separate shows.

Example is the attempt of the navy to build a gigantic super-carrier to launch big bombers carrying atomic bombs. The air force says that this is all wasted, that long-range bombers can operate best from land bases.

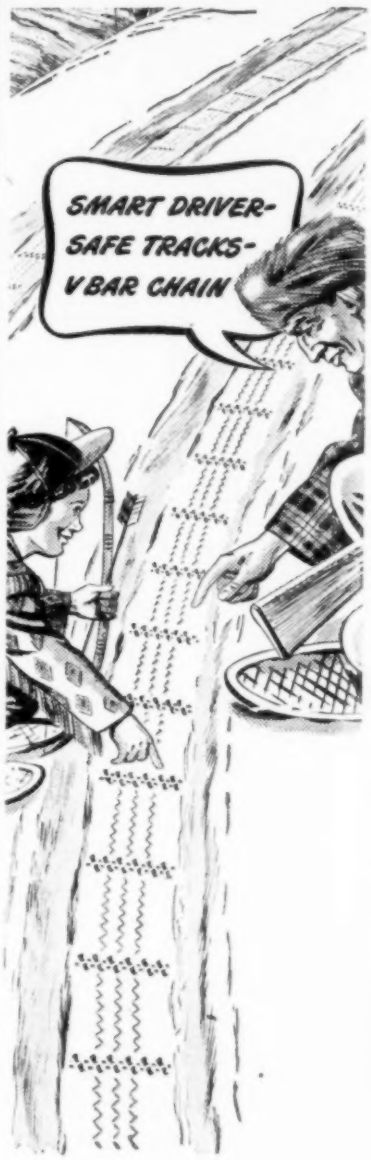
Navy men point to waste by army and air forces. Only point proved beyond question is that army, navy and air force have not yet learned to work together. This means bigger costs, and duplication of effort. Here is a place where real savings in government might be made.

The National Grange is to meet at Portland, Maine, next week, November 9 to 20. The American Farm Bureau Federation is to meet a month later at Atlantic City, N. J. What effect will these meetings have on what happens to farmers in 1949?

Quite a lot. Both organizations will make recommendations about changes in the new farm law. Both will have favorites for important farm posts.

Foreign policy will get an unusual amount of attention in both conventions. Surpluses will cause farmers little trouble if they can be moved overseas. How much can be sold? How much must be given away?

Farm supports will get backing from both groups. Both will try to prove to consumers that a reasonable degree of support for farm product prices helps the whole nation as well as farmers.



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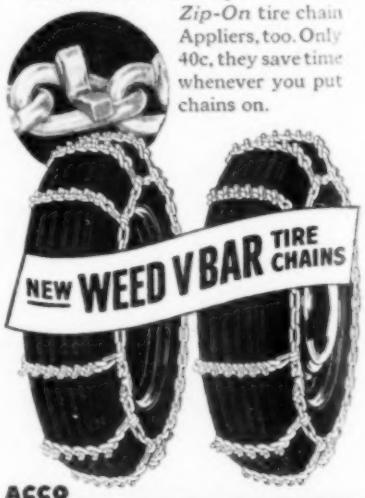

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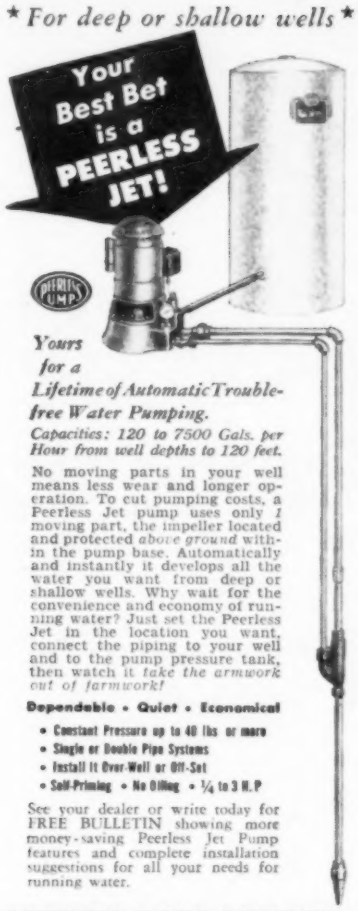

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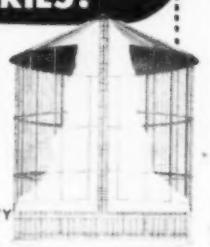

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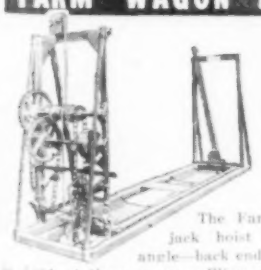

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First Aid for Stock

Clean Cow's Feet To Stop Rot

Some of our cattle have foot-rot. What is good treatment for this trouble?—Subscriber, Allamakee County, Iowa.

Foot-rot may be due to overgrowth of the hoofs. It can be caused by irritation from stable filth, which packs and hardens between the claws. Or it may result from stone and cinder bruises.

Quite often, several cattle in the same herd have the trouble. This causes some farmers to think the disease is contagious. It is not.

Trim and clean each infected foot. Scrub with a hand brush, using a solution of one ounce of formaldehyde and one ounce of copper sulphate in a gallon of warm water. Hold the sore foot in this solution.

Repeat this treatment once daily for three days. Then apply pine tar and bandage the foot.

To prevent further infections, keep cattle out of the mud and on clean, dry barn floors.

Wrong Feed Can Dry Up Sows

To the Editor: Some of my sows, after they have had their pigs, dry up after a couple days, with their bags caking and drying. I have fed some oats and corn.—M. S., Cedar County, Iowa.

Improper ration during the gestation period can be quite harmful—especially to the young growing sow. In your case, the corn-oats ration was, we believe, too low in protein for a sow to take care of her own body, form a litter, and make milk for them. A good protein concentrate, to keep the protein intake up to 14-15 per cent, would have been advisable.

Low vitamin intake can influence milk flow, too. A good alfalfa pasture would have helped. A slop of oats and oil meal is often helpful when pasture is poor.

In some cases, mal-function of the pituitary gland influences several reproductive functions. When this is the trouble, a hypodermic injection of an extract of this gland, if given as soon as milk stops, will usually restore the flow.

Do Cows Recover From Mastitis?

To the Editor: Do cows which have had mastitis ever recover from it?—O. R., Cook County, Illinois.

Whether cows get over mastitis is largely dependent on how soon treatment is started, what the nature of the infecting germs are, and how complete the recovery seems to be. If let go very long, many cows develop scar-tissue in the udder, cutting milk production even tho the cows recover.

Because there is so much difference in individual cases, the only answer is the opinion of an experienced veterinarian after he has had a chance to study each case.

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DON'T BE CONFUSED...THERE'S ONLY ONE OMAHA STANDARD

Corn Shocks are an old, old symbol of the harvest season from Hallowe'en to Thanksgiving. And a lot of Iowa corn—especially in a good year—still goes into shocks for winter feeding.

You Can Stretch Hay Supplies

Straw, Fodder or Silage Furnish Bulk, But Some Protein Feed May Have To Be Added

LEGUME hay is scarce and high this fall. But corn is stretching itself—and there is straw to burn. How can you make your cattle rations fit these conditions without sacrificing milk and beef?

"It looks as if corn silage is our cheap feed," says Everett Beals, cow tester in Story county, Iowa. "Alfalfa has been selling for around $30 at the field. I'd suggest feeding milk cows quite a lot of silage this winter. Maybe 30 to 40 pounds a day for a Holstein."

Even if you have good alfalfa hay, Beals says, you can use silage to cut down the hay ration to eight or 10 pounds per cow per day. In fact, a ration with silage as the only roughage is being tried at the Iowa State College dairy farm.

"It is definitely possible and practical to keep dairy cows on corn silage," says Dr. George H. Wise, of the college staff. But only corn that was cut while it still had green color will supply enough carotene.

Carotene is found in green plants, and is the source of Vitamin A. And good silage needs to be supplemented with bone meal—along with salt, of course.

"Hay, silage, grain," according to Doctor Wise, "is the ideal time-tested ration for a dairy cow. With roughage only, there's a deficiency of energy; with grain only, a deficiency of minerals, vitamins and bulk."

But it's possible to supply needed bulk with low-grade roughage, then add minerals and vitamins.

Keith Eubank, of Story county, Iowa, is one of the many farmers who are short of hay. So he baled oat straw, and will use it, along with silage and grain, for his young stock and dry cows.

Eubank also rented some alfalfa on a neighboring farm, and filled two temporary silos.

"I believe we'll feed silage heavier early," said Keith, "and hold back on the alfalfa for later in the winter."

L. B. Dooley, also of Story county, has enough alfalfa for his cows, but will reduce the hay allowance for the heifers and feed them more grain along with their silage. "Straw might fill the cows," he said, "but it wouldn't make milk."

That agreed with a statement by Doctor Wise. "A straw-fed cow," he said, "may not produce, and may not reproduce." She needs those minerals and vitamins.

Beef cattle can get by on lower-quality roughage. A milk cow is putting protein and minerals into her milk at a rapid rate. A beef cow hasn't such a heavy drain on her system. But if she is to produce a vigorous calf, you also must supply the necessary minerals and vitamins.

Here's a ration for wintering stock cows suggested by C. C. Culbertson, of the Iowa experiment station. It's for the man with a shortage of hay: Use 35 to 50 per cent of silage, depending on the size of the cow; 2 per cent alfalfa hay; ½ to 1 per cent of mixed protein supplement.

Beef cows will do well on just silage and straw, if properly supplemented. Feed just the amount of silage to keep them in the condition you want, says Culbertson. But don't forget the protein.

How about corn fodder for roughage? Except for Vitamin A, you get the same feed value as in corn silage. So, it is not a bad roughage for beef steers.

If you don't care how much they use for bedding, just throw it to them whole. But they will use over twice as much of the fodder if you run it thru a chopper first.

L. H. Wengert, also of Story county, makes use of chopped corn fodder as well as silage in his feeding operations. He fed chopped straw to his steers last year, with a protein and molasses supplement. He says this combination made cheap gains.

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SAVE YOUR LIFE!

Here's a true story — the kind you can hear in many Iowa communities these days. This one is told by N. J. Wardle, farm safety specialist at Iowa State College.

THE sky was overcast and a cold, northeast wind was blowing. "It's going to be cold picking corn today," Ralph thought. "Corn looks tough, too. And the soft ground means plenty of clogging."

At first, the corn carried thru well and the ears broke clean. Then he saw a stalk pull out.

"Maybe it'll go thru anyway," thought Ralph. But another one jammed against it, then another and another.

Ralph stopped, turned off the power take-off and carefully put the tractor out of gear. His dad always had insisted on this procedure. "Better to get no harvest at all than to get a harvest of fingers," Dad insisted.

"Maybe we had better wait another day to let it dry more," said Dad as he and Ralph cleaned out the picker.

"Wait—always wait!" grumbled Ralph. "It'll be tougher and soggier than ever. Let's get it done. If we could just run the picker a little . . ."

"No—I'll never agree to that," said Dad. "One of us might end up like Bill—without a hand.

Many times that day, they laboriously cleaned out the picker. Then—whenever his dad was gone with a load of corn—Ralph let the picker run while he unclogged it. Much quicker that way.

Then it happened. He was pushing on a stalk—he was sure it was at least two feet from the rolls. But, suddenly, his hand was caught, and the rolls were gnawing at his wrist.

Ralph braced himself to keep out. But the rolls gradually crept up his arm. He pulled still harder.

How long he stood there, he doesn't know. Finally, his dad came and released him.

Now Ralph, more than anything else, would like to help clean out clogged corn pickers on a cold, wet, soggy day. But he can't—because of his hook.

Ralph would still have two hands if he'd followed these rules:

1. Never clean out a running corn picker.
2. Never touch corn going into a running picker.
3. Always put the tractor out of gear before you leave the seat.

"I sprained my back when I turned over in my grave."

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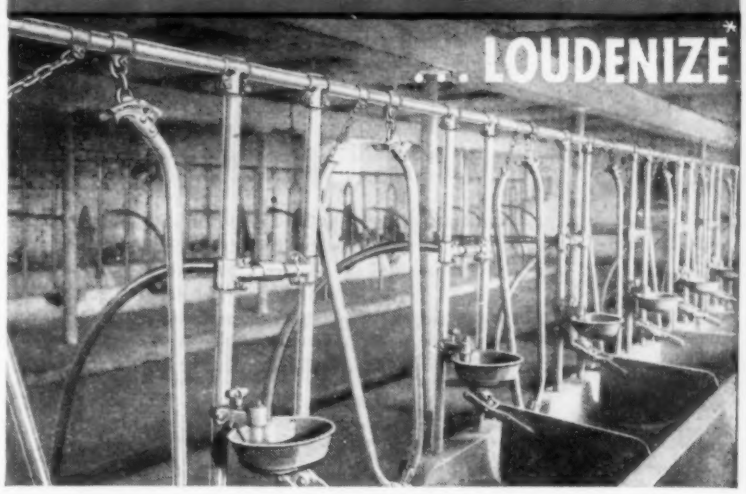

FOR STALLS, STANCHIONS or any other barn equipment, see your Louden dealer. He can help you LOUDENIZE—best way to invest today's farm dollar.

There never was a time when Loudenizing your barn could pay greater dividends—or cost less in farm products. Year after year, Louden Equipment saves more time and labor—HELPS YOU MAKE MORE MONEY.

In 1867, Louden established the Barn Equipment industry. Louden's record since has been a steady procession of "firsts"—Steel Stalls, Automatic Water Bowls, Litter Carriers.

For help in modernizing your present barn — or designing a new one — look to Louden and your local Louden dealer. If you don't know his name, write us.

THE LOUDEN MACHINERY CO. Fairfield, Ia.—Albany, N.Y.

*to modernize with LOUDEN equipment
- stalls & stanchions
- milking parlors
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- hay unloading tools
- hay drying systems
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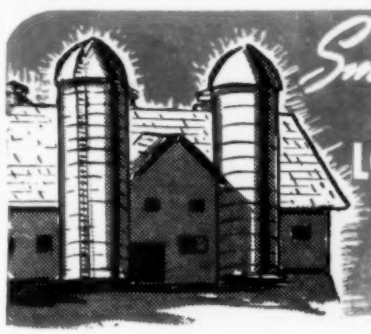
- barn windows
- barn door track
- horse-barn equipment
- hog-house equipment
- barn plan service

LOUDEN since 1867 always first in **BARN EQUIPMENT** . . . and Barn Plan Service



Smart Farmers Plant
LOWE "MOO-MIX" For Ensilage

A LOWE CORN BREEDING RESEARCH DEVELOPMENT FOR THE FARMER WITH A SILO

Lowe "Moo-Mix" Ensilage Hybrids are not "clean-up" or left-over seed for ensilage. It is a scientific series of crosses developed and grown especially for the farmer with a silo. In recent official tests by county agents in 57 plots in 27 counties of New York State's dairy section . . . "Moo-Mix" was voted best, two to one, over the next best hybrid. Farmers like it because it takes fewer acres to fill their silo. Stays in prime condition for ensiling over a longer period in the Fall. Makes a very palatable, dark-green ensilage, rich in vitamins and all nutritive feed factors.

Try Lowe "Moo-Mix" and you will see why large dairy herd feeders prefer it 2 to 1 over all other brands. "Moo-Mix" Hybrids come in Early, Medium, or Late Maturities. . . . Choice grades to fit your planter. See your Lowe Dealer or write direct for literature on "How to make more profits from your Silo."

FREE . . . New Edition of CORN FACTS

24 pages of facts about corn diseases and insects, soil needs, weed control, harvest tips, etc. A reference book that you'll want to keep. Free while they last . . . write today.

LOWE *Improved Hybrids*
Originators of High Protein Hybrids

LOWE SEED CO. 825 SIXTH STREET AROMA PARK, ILLINOIS

A big hit with farmers everywhere, since it burns cheap, plentiful corn cobs. Jumbo size burner holds 3 bushels of cobs . . . gives enough heat to last through day or night without additional attention. Positive draft assures easy burning . . . feeds itself after fire is started. Choice of 3-bushel or 2-bushel size. Also burns coal or wood and can be used as an incinerator. Siebring Stock Tank Heaters also made in 6 oil-burning models and a sturdy, leak-proof electric model. If dealer can't supply you, order direct.

SIEBRING MFG. CO., Dept. WF-2, George, Iowa

☐ Please send me prices and free literature on the Siebring Tank Heaters.

☐ Please send name of nearest dealer.

NAME.....

ADDRESS.....

are very much unlike other work gloves. The tannage of this tough horsehide leather is much different. It's Wolverine's exclusive, secret tanning formula. It makes this full grain horsehide buckskin-soft—even dries out soft after soaking—yet holds all its great strength and wear. Ever wear a pair? See your dealer—try on a pair—see the difference between Wolverine Horsehide Hands and other work gloves.

WOLVERINE SHOE & TANNING CORP.
ROCKFORD, MICHIGAN

Let the advertisements in Wallaces' Farmer and Iowa Homestead form your buying directory. If the articles you wish to purchase are not advertised in this paper, we will be glad to give you the names of reliable firms from which you can make your purchases.

He Doesn't usually raise fall pigs, but the 100 (from 12 sows) that he has this year look good to Gene Knight, Hamilton county, Iowa. Granddaughter Mary Ellen Granville likes them, too. Gene says they'll pay out at 15 cents, expects to get at least 20 cents.

How Much Profit In Heavy Hogs?

If Market Stays Steady, It Will Pay To Turn Cheap Corn Into Added Weight

WILL it pay to sell hogs as fast as they reach 225 pounds? Or should the hog raiser use abundant corn to make them weigh 275 pounds or more?

There are at least two things to consider in answering the question. One is the feeding profit in making a 225-pound hog weigh 275 pounds. The other is the chance of price changes wiping out any profit made.

At late October prices of around $25 per hundred, there was profit in adding weight to hogs. Here is a profit estimate:

Count 500 pounds of feed for each 100 pounds gain. Some feeders with some types of hogs will make the gain on around 400 pounds of feed, but 500 is a good farm average. Then it would take 250 pounds for 50 pounds gain.

This 250 pounds of feed might be 220 pounds of corn (almost four bushels), 20 pounds of protein feed, 10 pounds of alfalfa meal, a small amount of minerals.

The cost of this feed would be about $7.10. This is figuring corn at the sealing price, protein feed, alfalfa meal and minerals at late October figures.

Feed cost isn't all. Labor, housing and risk of feeding heavy hogs in the "flu" season must be included. Feed might cost 80 per cent of gain. On that basis, total cost of 50 pounds gain would be $8.88.

With hogs at $25 per hundred, this $8.88 cost means a profit of $3.62 per hog for putting on 50 pounds of gain.

But a drop in the market would wipe out the profit rapidly. Let's see what would happen if you fed the hog to 275 pounds and the market went down $2 per hundred while you did it.

The 225-pound hog would be worth $56.25 at $25 per hundred. At 275 pounds, and $23 per hundred, the hog would bring $63.25. That's $7 more for the heavy hog. But the feed to make the 225-pound hog weigh 275 costs $8.88. So you would lose $1.88 per hog if the market went down $2 while you were feeding the hog to a heavier weight.

To pay for your feed, the 275-pound hog must bring $65.13. That would be $23.68 per hundred. If $25 hogs go down more than $1.32 per hundred while you put on 50 pounds of gain, you will not get paid for your feed.

How would the extra feed put into the hogs figure out if hogs should be worth only $22 per hundred when your pigs weigh 225?

The 225-pound hog at $22 would bring $49.50. At 275 pounds and $22, the hog would bring $60.50. That would pay you $11 for $8.88 worth of feed if the hog market stayed steady. The profit would be $2.12, compared with $3.62 at $25 per hundred.

But if hogs went down further, and the 225-pound hog brought only $20 by the time it weighed 275 pounds, it would figure out this way:

A 225-pound hog at $22 is worth $49.50. At 275 and $20, instead of $22, the hog will be worth $55. That would allow $5.50 for $8.88 worth of feed—a loss of $3.38.

Feeding 225-pound hogs to 275-pound weights is good business when hogs are worth $25 per hundred and the market doesn't go down more than $1.30 while the gain is being put on.

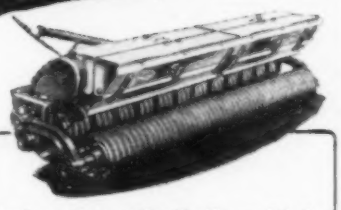
If the 225-pound hog is worth only $22 per hundred, a market drop of 75 cents per hundred will wipe out the profit in adding 50 pounds to the hog's weight.

If you can put on 100 pounds gain with less than 500 pounds of feed, or if you have corn that will not bring the sealing price, you can stand a bigger drop in the market without loss.

YOU WON'T BELIEVE IT UNTIL YOU SEE ONE

Brillion SURE STAND GRASS SEEDING PULVERIZER AND PACKER

JUST WHAT YOU'VE BEEN WAITING FOR.....



There's no other machine like it . . . . It's the new, entirely different grass seeding pulverizer and packer . . . The only machine that is two seeders in one plus a soil pulverizer. See how it saves you seed (5 to 8 lbs. per acre), hours of hard labor (just once over the field and you have a mulched seed bed without lumps or hard clods) . . . and all these add up to soon paying its initial cost. But, best of all, you will have a good catch—a sure stand . . . for many seasons, because it's made to last . . . to "take" today's high tractor speeds.

Just think! With the model illustrated you can seed legume and brome at the same time . . . truly "two seeders-in-one". And, there's the single box model that seeds legume only . . . we'll gladly tell you about it, too. Write for folder, and the name of your nearest dealer where you can see the BRILLION SURE STAND.

BRILLION IRON WORKS, INC.
BOX 218 BRILLION • WISCONSIN

OTTAWA TRACTOR SAW
Substantially all Tractor Saws in the world are OTTAWA built

350 Saw Strokes Per Minute

Complete ONE-MAN Machine

CUTS LARGE AND SMALL LOGS . . . FALLS TREES

Turns wood lots into cash quickly. Fastest saw of its kind. Saws trees to length where they fall. Built to last a lifetime. Patterned after world-famous Ottawa Log Saw. Special heavy, stiff saw blade. No heavy lifting. Tree faller is dragged behind tractor . . . easily swung into position. New type log holding device . . . quick and positive. Positive safety control clutch and other Ottawa features. Low direct-to-user prices. Fully guaranteed.

Costs Too Little To Do Without

OTTAWA MANUFACTURING COMPANY
5-807 Forest Avenue, Ottawa, Kansas

KEEP YOUR FIELD-TILE Open

The Economical New FARM - ROD
Cleans Field Tile of Roots, Mud and Other Debris.
Runs by HAND POWER or Tractor Take-Off
NO UNNECESSARY DIGGING
ELIMINATES FLOODED FIELDS
Cleans tile 3" or larger in diameter. Comes in handy, easy to use 25-foot sections which will clean from 5 ft. up to several hundred feet from one opening. Don't wait 'till Spring. Do it now. Write for FREE folder. Give full particulars.
ROTO-ROOTER CORP.
Dept. 10-F Des Moines 14, Iowa

Low Cost HAIL INSURANCE

HAWKEYE MUTUAL
HAIL INSURANCE ASSOC.
FORT DODGE, IOWA

Welding Generators, 150 ampere..... $47.50
½ Horse, 1,750 RPM motors..... $19.75
½ Horse, 3,450 RPM $22.50, 1 Horse..... $28.50
Compressors..... $17.50
BUTLER, 1885 Milwaukee, Chicago

QUIPS AND QUOTES

IT WOULD BE NICE to have all the money you spent foolishly—just to enjoy spending it foolishly again. — Laporte City Progress-Review.

IT'S A PRETTY GOOD sign that the honeymoon is over when the bride starts complaining about the noise hubby makes getting breakfast.—Manning Monitor.

A PREJUDICED PERSON saves a lot of time because he can form an opinion without bothering to get the facts.—Odebolt Chronicle.

THEY'RE STILL LOOKING for the perfect tax—the one that is paid exclusively by the other fellow.—Mason City Globe-Gazette.

AFTER ALL, we should be patient with our politicians. We don't know what to do, either.—Eldon Forum.

WHEN WE HAVE something in Iowa that is not desirable, we—er — that is — we — oh — hang it —nothing.—Pella Chronicle.

SOME PEOPLE can hear a rattle in their cars quicker than one in their heads.—Clear Lake Reporter.

MORE OF US would care what happens if we thought it was going to happen to us. — Adams County Free Press.

ANY AUTHOR will tell you that writing is easy. The hard job is to get somebody to read the stuff.—Lake Mills Graphic.

THIS HAS BECOME the land of opportunity in which any bright, hard-working boy can put himself thru college and earn almost as much money as if he hadn't.—Oskaloosa Herald.

IN THE DAYS of Grover Cleveland, a progressive was dubbed an anarchist. In Hoover's day, a progressive was called a socialist. In 1948, a progressive runs the risk of being designated as a "Red."—West Des Moines Express.

WHEN TRUMAN told those Iowa farmers how the Republican congress was ruining them, some of the farmers laughed so hard at the joke they nearly fell out of their Cadillacs.—Stacyville Monitor.

"Thanks just the same. We've already had dinner."

LET Potash SERVE YOU

THREE of the American Potash Producers, namely, the American Potash & Chemical Corporation, the Potash Company of America, and the United States Potash Company, through their consumer service organization – The American Potash Institute – are constantly endeavoring to make the use of this necessary plant food more efficient and economical. Cooperating with Federal and State Agricultural Agencies in laboratories and experiment stations, the Institute helps promote scientific research and field demonstrations which will result in practical recommendations for potash use. As a clearing-house for this new information, it publishes regularly for the official agricultural advisory forces a magazine called *Better Crops with Plant Food.*

For YOU, using potash in the fertilizer to feed your crops, the Institute maintains a staff of trained agronomists who are at your service. It has available for you free literature from official sources telling how to grow large yields and good quality of crops and maintain soil fertility. Motion pictures on soil and crop deficiency symptoms and means for determining them, as well as films on good soil management, can be obtained from the Institute without charge upon request for showing by county agents, teachers of vocational agriculture, and responsible farm organizations.

Let Potash Serve You. Write us.

AMERICAN POTASH INSTITUTE
1155 Sixteenth St., N. W. • Washington 6, D. C.

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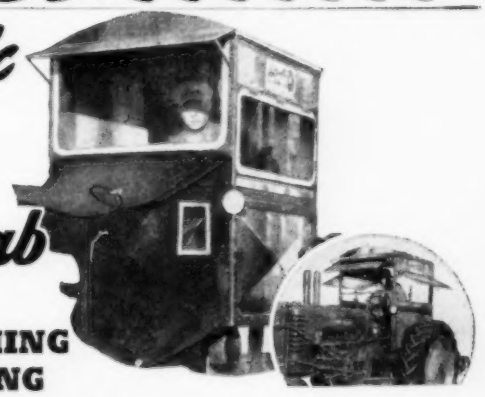
AMERICAN POTASH & CHEMICAL CORPORATION
POTASH COMPANY OF AMERICA
UNITED STATES POTASH COMPANY

American Potash means More Crops

Automatic 1949 Tractorkab for BETTER FARMING BETTER LIVING



Come rain, come wind, come sleet, come snow —Tractorkab will keep you warm and dry and protect your health. It will keep your tractor operating everyday you need it, will keep good help for you. Roomy, sturdy, practical, permanent, this attractive QUIET kab of gleaming aluminum and steel with shatterproof hinged windshield and windows set in rubber will pay for itself through added tractor working days, make more profit for you. Models to fit all leading tractors. Rush coupon for details and prices.

SEE YOUR DEALER OR WRITE
AUTOMATIC EQUIPMENT MFG. CO.,
PENDER, NEBR., Dept. WF-41

1. Heavy insulation deadens noise, actually quieter than open tractor.
2. Gleaming, light weight aluminum—sturdy steel frame—weatherproof, durable, permanent.
3. Rubber mounted shatterproof glass windows and windshield—fully hinged.
4. Warm in winter, cool in summer.
5. Interior is warm and roomy for operator, provides ample storage space. Floor space 43x47".
6. Models for all leading tractors.

MAIL COUPON TODAY!

I farm.....acres with.....Tractors
Reserve my kab and rush price list and details without obligation.
Name.....
Address..... State.....

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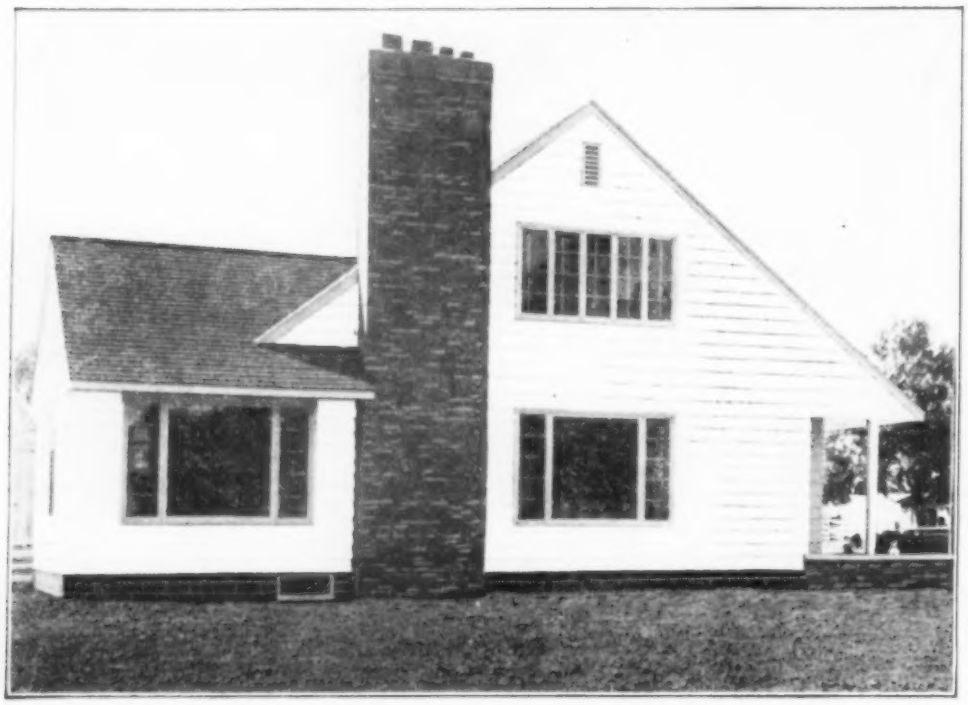
Homemaking Department

Edited by **ZOE MURPHY**



Attractive new home of Mr. and Mrs. Clifford Greiman, of Hancock county, Iowa, was built from our plans for a two-story house. This is the east side of the house, and faces the road.

The Greimans' back door faces the west and opens out toward the barnyard. An enclosure was built over the entrance which leads to the side door of the garage. This offers protection from the weather as well as providing a handy place to take off muddy galoshes when the weather happens to be bad. The well and pump are under this porch.

Mrs. Clifford Greiman and year-old daughter in their modern kitchen. It has casement windows and ceramic tile for the top of the counter.

Mrs. Clifford Greiman with her baby and mother-in-law, Mrs. Addis Greiman, sit on steps of the side entrance, which opens on driveway.

Our House Plans Come to Life

AS SOON as Mr. and Mrs. Clifford Greiman, of Hancock county Iowa, saw the plans for our two-story farm house, they decided this was just what they wanted. They sent for the plans, worked out some minor changes and started to build.

The house is located on the farm of Clifford's father, Addis Greiman, with whom Clifford is in partnership. Mr. and Mrs. Addis Greiman built the big brick house on the corner of the farm when they they were married.

When Clifford and his wife, Donna Lou, decided to build a home, they selected a site for the new house just across the driveway from where the elder Greimans lived.

The Greimans had the usual difficulty getting the materials they needed, but this last August the house was completed and they moved in.

Original plans called for one picture window in the living-room. But large windows were available at that time, so they put one on the south side of the living-room and two on the east. This gives them a lovely, light room.

One very good point in our plans was that they could be adapted to individual needs. So the Greimans made some desired changes.

They moved the opening to the basement stairway in the hallway opposite the kitchen to the back-door entrance. This makes the utility room smaller, but it gives room for a desk, a lamp and a chair in the space opposite the kitchen door, thus making a very attractive office nook.

Instead of building a porch at the end of the living-room, they included in the living-room the space the porch would require, making it eight feet longer.

The Greimans are pleased with their new home, and this makes us proud of our plans.

If you are interested in the blue-prints and building specifications for the two-story farm house shown on this page, write to us. These plans cost ONE DOLLAR. Address your letters to the Homemaking Department of Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

Tasty Cottage Cheese

COTTAGE cheese is one of those things that you like, or you don't like. For years, I cooked mine on the back of the kitchen range—very, very slowly.

I evolved my own present method by accident. After the advent of the electric stove, there was no warming oven upon which to let the milk stand until it was properly soured.

The inset to the well cooker was of heavy enamelware. It was ideal for the souring of the milk. It didn't look neat on the stove, so I slipped it into the well cooker. I added milk from day to day, until there was enough, and the curd right.

I decided to try cooking it in there. Heat was turned on high for two minutes and then on low until done. This well cooker heats from the side, but, even so, cheese can be cooked too much.

It is hard to tell anyone else just when cottage cheese is done. You test it between the thumb and finger, not too soft, not too hard. A few trials and you will know.

When done, drain off the whey. For this, I find an aluminum colander with small holes ideal. Fill the well cooker two-thirds full of cold water. Add the cheese to this, and wash it thoroly with your hands. Repeat this process. This removes the excess lactic acid.

When you want to serve it, whip the cream to use in it. Add the salt to the cream and fold in the cheese. It is light, fluffy and delicious.

I like to take cottage cheese as my contribution to covered-dish dinners. It is a wonderful gift for a friend. When I have served it at a dinner and friends say, "You can't buy cheese like this," I like to send home a pint with them.

It is lovely served just this way in a glass bowl. To make delicious appetizers, use crisp, round crackers, add cheese, a dusting of paprika, or a nut pressed into the cheese.

Cottage cheese can be spread on long, crisp crackers to go with a salad, or with fruit for dessert. Prunes or apricots are delicious stuffed with cottage cheese, either to be used as garnish for a roast or a salad.

For home use, it's wonderful to have some in the refrigerator, ready to dress up any meal.—Ruth Fullerton, Floyd County, Iowa.

Christmas Cards Give Joy

THE weather may be balmy now, but don't fool yourself, Christmas is just around the corner. This is a good time to make out your Christmas card list.

Don't list simply your best friends. Try to remember all the folks who would be pleased to get a greeting card from you.

The old lady on the next farm, who is shut in all winter; the sick child in the hospital; the neighbor who has moved away—all will be happier if you remember them.

You may not be able to send many gifts, but you can always send a card.

NEW! Breeze
Hard Water SUDS Discovery!

MAKES DISHWASHING FAST! FAST! FAST!

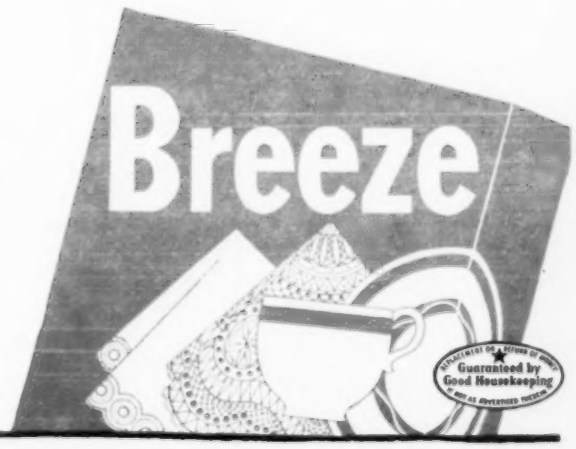
1 Instant suds
...makes Dishwashing FAST!

2 Cuts grease
...makes Dishwashing FAST!

3 No more hard water scum
...makes Dishwashing FAST!

4 No wiping
...makes Dishwashing FAST!
Dishes dry with no wiping... glassware, sparkling bright!

NEW! FASTER-WORKING SUDS FROM LEVER BROTHERS COMPANY



Needlework For Christmas Gifts

No. R-2181—A youngster will have many happy playtime hours with this sturdy stuffed pony. Easily and quickly made from scraps, the horse has a woolly mane and tail. The body is fabric.

No. R-2591—Bring joy to a child's heart with this whimsical clown doll. The soft, cuddly body is dressed in sewing-box left-overs; scraps of wool yarn make the hair, and the features are embroidered.

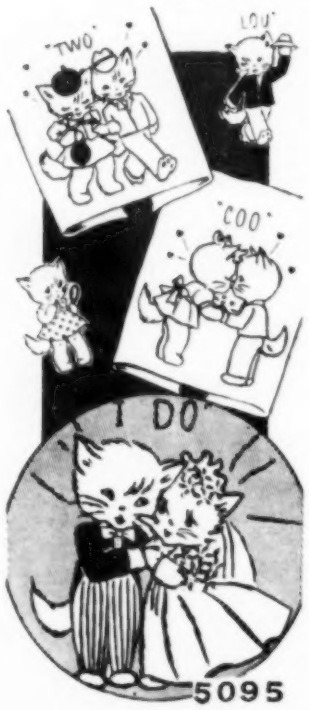
No. R-2621—Crochet a Christmas-tree top angel, sequinned trimmed stars and bells. Six other gay ornaments are made of vividly shaded crepe paper and cotton. So much fun to make, the entire family will want to help.

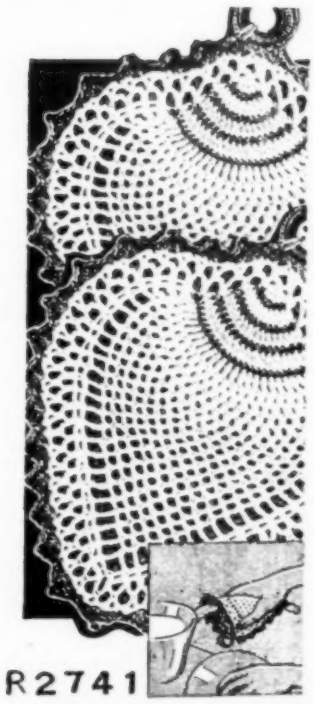
No. R-2615—Gay, colorful flowers trim this practical and pretty set. Original cap and mittens were of red and white yarn with variegated colored flowers.

No. R-2588—Keep little hands toasty-warm in colorful knitted mittens. Made of sport yarn in two colors. Sizes small, medium and large included.

No. 5825—These pretty aprons will add spice to every-day household duties. Delightful presents to give or receive. Tissue pattern, material requirements and crocheting instructions included.

No. R-2736—Crochet these adorable little lambs to dress up a carriage cover or "show-off" crib spread. Fast work for happy crocheters. Get your hook to work right away.





No. 5095—Children won't mind keeping their hands and faces washed if you'll embroider these loving little kittens on their very own towels. A new bride would adore a set of glass towels which were decorated with the kittens as kitchen "conversation pieces."

No. R-2741—Protect your hands from hot pots and pans with this colorful pineapple holder. Made in two pieces, the larger section is crocheted in yellow cotton, the other in white. Easy and fascinating work, and useful, too. The holder completed measures 7½ inches deep.

Designs are 20c each, in coin or stamps (coin preferred). New Fall and Winter FASHION is 25c. Send orders to Wallaces' Farmer and Iowa Homestead, Pattern Department, Des Moines, Iowa. CAUTION: Be sure to include your name and address when sending your orders.

"We were lucky when the owner of our farm built us this lovely new home," says Mrs. Bob Appleby, Jones county, Iowa. There are seven rooms, full basement and a blower furnace. It is completely modern.

COOKERY CORNER

APPLE MARSHMALLOW DUMPLINGS

6 medium sized apples, quartered
1½ cups water
1 teaspoon salt
24 marshmallows
1 teaspoon ground cinnamon
1 cup sifted flour
2 teaspoons baking powder
¼ teaspoon salt
3 tablespoons shortening
½ cup milk
8 marshmallows

Cook apples in water until tender. Add salt and marshmallows. Cook over low heat until marshmallows melt. Sprinkle with cinnamon. Sift flour, baking powder and salt together. Cut in shortening. Add milk to make a soft dough. Drop by spoonfuls on top of hot apple mixture. Put one marshmallow on top of each dumpling. Cover closely and steam 20 minutes without removing cover. Serve hot with heavy cream. Serves eight.—Mrs. R. L. P., Holt County, Nebraska.

CRANBERRY-APPLE RELISH

4 cups cranberries
2 apples, pared and cored
2 oranges
1 lemon
2½ cups sugar

Put cranberries and apples thru food chopper. Quarter whole oranges and lemon, remove seeds, and put thru chopper. Add sugar and blend. Chill in refrigerator a few hours before serving. Makes three pints of relish. This sauce will keep well in the refrigerator for several weeks.

"THINSIES"

Melt over hot water and let cool one package semi-sweet chocolate bits. Sift together and set aside two cups of sifted flour and one-half teaspoon salt. Blend together three-fourths cup of shortening and one-half cup brown sugar. Add melted chocolate and one-half teaspoon vanilla. Stir in flour mixture.

Shape batter into an oblong mold and wrap in waxed paper or pack into butter box. Chill thoroly. Slice thin; press a nutmeat into each cooky (optional).

Bake at 400 degrees for from five to seven minutes. Cool slightly before removing from cooky sheet. Yield, seven-dozen.

STUFFED HAMBURGER ROLL

1 pound hamburger
1 egg, unbeaten
1 teaspoon salt
¼ teaspoon pepper
1 tablespoon catsup

Combine hamburger (reserving two tablespoons for stuffing), egg, salt, pepper and catsup.

Bread stuffing:

1 tablespoon fat
2 tablespoons hamburger
2 tablespoons minced onion
⅓ cup water
½ teaspoon celery salt
Dash of sage
3 cups soft white bread cubes (three slices)

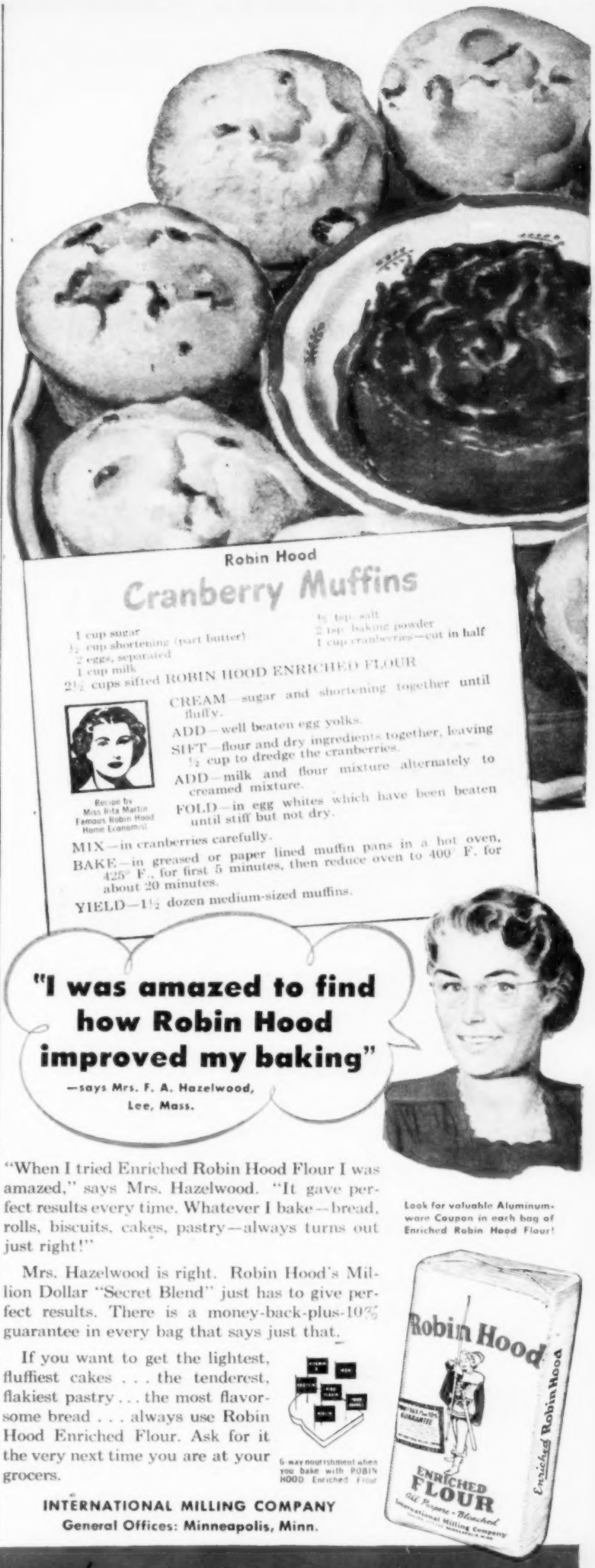
Melt fat in a skillet. Fry two tablespoons of hamburger and onion until tender. Add water and let simmer five minutes. Add celery salt and sage. Combine with bread cubes. Spread hamburger mixture on waxed paper and shape into a rectangular sheet.

Top the layer of hamburger with a layer of bread stuffing, then roll as a jelly roll by lifting waxed paper and gently rolling meat away from it. Bake in a shallow pan in a 375-degree oven for 40 minutes. Makes six servings.

SAUSAGE AND SWEET POTATO CASSEROLE

1 pound sausage
4 medium sweet potatoes
1 tablespoon butter
½ cup milk
Salt
Pepper
Buttered bread crumbs

Brown sausage in frying pan. Cook sweet potato, mash and season with butter, salt and pepper. Add warmed milk. Place sausage in a casserole and top with the mashed potatoes and buttered crumbs. Bake in a 350-degree oven for 15 minutes. Makes four or five servings.



Styles That Will Please Everybody

No. 8376—Here is a smart date frock that has a special hip-line interest. Sizes 11, 12, 13, 14, 16 and 18.

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No. 1641—Just one yard of colorful fabric is needed to make each of these blouses. Sizes 12, 14, 16, 18 and 20.

Patterns are 25c each, in coin or stamps (coin preferred). The New Fall and Winter FASHION Book is also 25c. It contains instructions and yardage charts, also a complete new pattern FREE. You will enjoy this book. Send your orders to the Pattern Department of Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa. CAUTION: Be sure to include your name and address when you order.

COUNTRY AIR

By ELIZABETH C. WHERRY

DREAMS do come true. Anyway, one of mine did. I have always dreamed of a boat ride on the Mississippi. Came Sunday, October 10, 1948, and I got my boat ride.

Appropriately enough, it came thru "Steamboat Bill." Do you know him? If you don't, you're missing something. Get him to come to your community and bring colored slides of The River. Or just get him to come and spin yarns.

"Steamboat Bill" (William J. Petersen to the income tax collector and State Historical Society, of which he is the head) has a hobby. He doesn't collect it, exactly, for the hobby is a whole river.

Tucked along the shores and islands of "Steamboat Bill's mind are dates, statistics, facts and yarns about his hobby—the Mississippi river.

Not the least of what he knows is whom he knows. I refer particularly to Capt. O. D. Collis, of Clinton, who also has chosen the Mississippi for his hobby. Mr. Collis simply presented the working members of the State Historical Society with the keys to the Rob Roy III for the ten hours which made my dream come true.

When the bridge from Prairie du Chien retired the ferries, Mr. Collis bought the Rob Roy III and converted it into a super river houseboat, with walnut trimming, chrome chairs and tables, comfortable divans, a gleaming white galley (nautical for kitchen), and five fine state-rooms (nautical for bedrooms).

There are two decks with promenades, a big pilot house and room for people to spread out and loaf in the sunshine, or sit in the lower salon and watch the scenery float along.

My conception of going thru locks was very hazy. It's really simple—now that the locks are there. You just drive inside the gates and ride upstairs on water instead of an escalator. When you come back, you ride downstairs.

I saw the water pour in from the bottom somewhere, swirling with smooth, oily power to lift us 14 feet within eight minutes.

Somebody explained just how they pulled the stopper out to let us down that many feet when we came back, but I just sank gracefully with the water level and said: "Ain't engineering grand!"

We seemed tremendously pompous and important when the draw-bridge at Savannah saw us coming, and, with great dignity swung its huge span aside for us to pass. Who genuflects to whom? And, oh, the lovely, fragile grace of the Savannah-Sabula highway bridge!

Acres of land were flooded by the dam and locks, of course. And there was great consternation among the passengers over the hundreds of bleached tree-trunks sticking up drearily in the edge of the waters.

They were not big enough nor hard enough for good lumber. No saw-mill could profitably invest in them. They were just charged off to profit and loss in the interests of progress, and left to die and rot away.

Tax-conscious travelers suggested we keep our farms at home, so the government will not have to spend so much money keeping the channel dredged out.

As our pilot smoothly guided the big boat (not by the time-honored wheel, but by electric buttons) between the buoys, I settled myself from time to time to contemplation and fancies of the great stream — its centuries of "rollin' along"; the stories of the pioneers and settlers in which it figures; the history, music, songs and novels it has inspired.

But, with "Steamboat Bill" flitting about with yarns and statistics, and our so genial host, Mr. Collis (bless him) coming along with bits of lore and hospitality, and a lot of other people with good talk, I didn't get much contemplating done.

I did get my nose sun-burned, fulfilled my dream of a river ride, and vowed again to learn a little more about the magnificent Mississippi.

It's big; it's powerful; it's beautiful; it's serene — and vicious, and it's a mighty important factor in the life of Iowa. But we know so little about it!

"Running Water For Your Farm Home"

What kind of a kitchen sink are you going to buy? How are you going to arrange your bathroom? What about the wash-up room? These are some of the questions that Naomi Shank, of Iowa State College, answers in her new booklet, called "Running Water For Your Farm Home."

If you are planning to put running water into your house, be sure to send for this booklet. It will help you settle many questions. It will bring out ideas you may not have thought of before.

The booklet is free. Write to the Homemaking Department, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

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THANKSGIVING SWEET ROLLS

2 packages Red Star Dry Yeast
½ cup warm water
½ cup sugar
2 teaspoons salt
1 cup lukewarm water
2 eggs, beaten
5⅔ cups sifted flour (approximately)
¼ cup shortening

Dissolve 2 packages Red Star Dry Yeast in ½ cup warm water. Let stand 2 to 3 minutes. Place ½ cup sugar, salt and 1 cup lukewarm water in a large bowl. Stir yeast solution thoroughly and add to this mixture. Add beaten eggs and half the flour, mixing well. Add melted and cooled shortening, stirring vigorously. Add remainder of flour and mix well. Place dough on lightly floured board and knead for 3 minutes. Shape into smooth ball and place in greased bowl. Brush top lightly with shortening. Cover and let rise in warm place for 45 minutes. Punch dough down and shape into crescents, or braids. Place on greased baking sheet and let rise in warm place for 45 minutes. Bake in moderate oven (375° F.) 20 minutes. Makes 3 dozen rolls.

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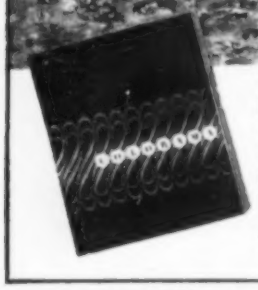

You can make your dining room warm and inviting, too, at very low cost. Start your new color scheme with a smart Alexander Smith Floor-Plan Rug. Use it as a guide in selecting other colors for the room. My new, FREE book, "Colorama," tells you how. Write for it. Address: Clara Dudley, 285 Fifth Avenue, New York 16, N. Y. Dept. WL-6.

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When Club Meets With You

Keep Your Refreshments Simple, So You Will Have Time To Enjoy Your Guests

IT'S your turn to be hostess to the Women's Club. What will you serve your guests?

Refreshments are almost indispensable for that good social time you want. But keep them simple. Prepare them beforehand as much as possible, so you will be free from last-minute worries. Then you will be more able to enjoy the occasion along with your guests.

Many clubs have a rule which limits the food served. "One thing dry and one wet," they say. That avoids the temptation of each trying to outdo the last hostess.

The drink will vary with the season and with the weather. And the list of things you can serve as the "one dry" is almost endless.

Fall suggests gingerbread. It's always good served with whipped cream, or a small dipper of ice cream. Another good topping uses cream cheese, canned apricots and whipped cream.

Mrs. Fred Kline, Carroll county, Iowa, recommends a date pudding which can be prepared ahead of time. It is made like a layer cake, with filling added. Here is her recipe:

DATE PUDDING

5 eggs
½ cup flour
¾ cup sugar
1 teaspoon baking powder
1 cup chopped nuts
1 cup chopped dates
1 teaspoon vanilla

Beat egg yolks. Add sugar and flour, sifted with baking powder, nuts, dates and vanilla. Last, add well-beaten egg whites. Bake in a very slow oven in two nine-inch-square pans.

For the filling, use:

1 cup milk
1 egg
¾ cup sugar
1 teaspoon cornstarch
1 tablespoon butter

Cook in double boiler until it is thickened. Cool, and when ready to serve, place between layers and serve in squares with whipped cream.

It's much nicer, and handier, to serve buffet style than from the kitchen. If yours is a nice tabletop, omit the cloth, using only a small centerpiece. Mrs. Kline likes to have the servings dainty and the table prettily decorated. Attractive silver service adds much.

Use cut-flowers or a plant for the centerpiece — something that will keep the table attractive after refreshments have been served. Perhaps some flowers floating in a low bowl of tinted water, accompanied by a china figurine.

Or try small groupings of low flowers, carrying out a chosen color scheme. A mirror tray enhances the beauty of the decorations.

You will find that serving goes more smoothly when you start the guests at either end of the table. Place the drink at both ends, next the napkins.

The "dry" thing you are serving is put in the center. If cookies, you make them small and dainty. A cooky press is inexpensive and simple to use. Maybe you have a "Swedish rolling-pin" for imprinting unusual designs.

A club to which Mrs. Henry Glawe, Greene county, Iowa, belongs will serve anything you can pick up—cookies, doughnuts, rolls or sandwiches.

"At first, I voted against serving anything," said Mrs. Glawe; "but now I'm glad we do. It makes so much difference in the chance it gives you to visit. Otherwise, you wouldn't get to speak to one who might be across the room."

Fresh cinnamon rolls had been served by Mrs. Glawe at one meeting. Mrs. Kline suggested cocoa doughnuts. Her recipe follows:

COCOA DOUGHNUTS

1 cup sugar
½ cup cocoa
3 tablespoons fat
1 teaspoon vanilla
1 teaspoon cinnamon
2 eggs
1 cup sour milk
1 teaspoon baking powder
½ teaspoon soda
½ teaspoon salt
4 cups flour (approximately)

Mix and sift flour, baking powder, soda, salt, spices and cocoa. Gradually add sugar to eggs, beating until light; add shortening; add the flour mixture alternately with milk, stirring lightly until ingredients are combined. (Use enough flour to make the dough just the right consistency to roll.)

Roll one-fourth inch thick and cut with a doughnut cutter and fry in hot, deep fat until lightly browned. Dip in chocolate frosting or powdered sugar.

OPEN-FACED SANDWICHES

Mrs. Kline favors dainty, open-faced sandwiches. Something with cheese, she thinks, is a natural for farm women. Here is one way she serves them:

Make small balls of cottage cheese, a little drier than usual. Press each of these down on a crisp cracker. Sprinkle parsley over some, or grated nuts, or grated carrots, or maybe a dash of red pepper. That makes for a pleasing variety.

If you have a home freezer, open-faced sandwiches with meat may be prepared several days in advance. Wrap carefully, and freeze. Otherwise, prepare early the day they are to be served, and keep in the refrigerator. Bread keeps nicely stored in this way.

Try toasting fancy shapes of bread, add filling, then put on a cooky sheet and freeze. After freezing, put into a cardboard cake box (or similar container), wrap air-tight with locker paper, and replace in freezer.

Remove an hour before serving. You'll find the toast crisp and crunchy. On such occasions, the home freezer is a big aid to the hostess.

FOOD FITTED THE DAY

Another club serving just one thing besides coffee is the Mother

Some of the Ellis township women, of Hardin county, Iowa, meet in the basement of the Ellis Methodist Church for an organization tea.

and Daughter Council, to which Mrs. A. Ray Clause, Greene county, Iowa, belongs.

"One time, my neighbor had chicken and noodles, with crisp crackers," she said. "It rather surprised us, because we more often have a dessert. But it was cool and rainy on that occasion, so the food just fitted the day."

Another recalled attending a club meeting when only a salad was served.

"Sometimes somebody breaks down," admitted Mrs. Clause, "and we have cake and ice cream." "It's convenient," commented a friend, "because it's fixed and ready."

You can vary ice cream with all kinds of toppings. Many are on the market, ready prepared. Or you can use some of your own frozen berries. A good peanut butter sauce for ice cream was suggested by Mrs. Kline:

PEANUT BUTTER SAUCE

1 egg
4 tablespoons peanut butter
¾ cup sweetened condensed milk

Beat egg lightly, fold in milk, add peanut butter, blend well.

Ice cream cake roll is also easy to fix, if you want something different. Here's how:

ICE CREAM CAKE ROLL

6 tablespoons sifted cake flour
6 tablespoons cocoa
½ teaspoon baking powder
¼ teaspoon salt
¾ cup sifted sugar
4 egg whites, stiffly beaten
4 egg yolks, beaten until thick and lemon-colored
1 teaspoon vanilla

Sift flour once, measure, add cocoa, baking powder and salt. Sift together three times. Fold sugar gradually into egg whites. Fold in flour gradually. Pour into 10x15-inch greased pan lined with greased paper. Bake in hot oven 12 minutes.

Cut off crisp edges of cake, turn from pan onto cloth covered with powdered sugar, remove paper, and roll. Wrap in cloth until cool. When ready to serve, unroll cake and spread with ice cream that is slightly softened, then roll again. Slice to serve.

DESSERT FIRST!

For some club meetings, you are expected to limit your meal at home, then a dessert is served as soon as you arrive.

This has some advantages. It might help that reducing diet. It gives guests a chance to slip away early when necessary. And it develops at the start of the meeting that warm, friendly atmosphere which is the chief excuse for any club refreshments.

CANDY MINTS

Many serve candy mints. Why not make your own? They are easy to do, much cheaper, and can be tinted to fit your color scheme.

2 cups sugar
1 cup hot water
⅛ teaspoon cream of tartar

Stir until sugar is dissolved. Boil syrup to soft-ball stage. Set aside until almost cold. Beat until creamy, then knead with hands to make it smoother. Put in tightly covered jar for at least 24 hours before using.

To make mints, melt a small quantity of this candy in double boiler. Add coloring desired. Flavor them with either peppermint or wintergreen. Drop them on oiled paper.

How To Sew With Nylon Thread

THERE'S a special knack in sewing with nylon thread.

Learn to adjust tension and the length of stitch when you change types of thread. You do not always need to adjust the tension, but it is most important to adjust the stitch.

A looser stitch is required when you sew with nylon thread. This can be obtained by loosening the upper tension slightly. If loops appear on the under side of stitching, the bobbin tension should be loosened slightly.

You can thread the needle by flattening the end of the thread between the thumb and forefinger rather than twisting it. Twisting nylon thread frays the end.

As you stitch, stretch the seam slightly to avoid puckered seamlines. Nylon thread is more elastic than other threads.

Nylon is the most expensive of threads used for sewing. Fifty yards of nylon costs the same as 100 yards of mercerized thread or 150 yards of cotton thread.

Thread should be selected for the fabric to be sewed. Use cotton thread with cotton fabric, and use only nylon thread with the nylon fabric.

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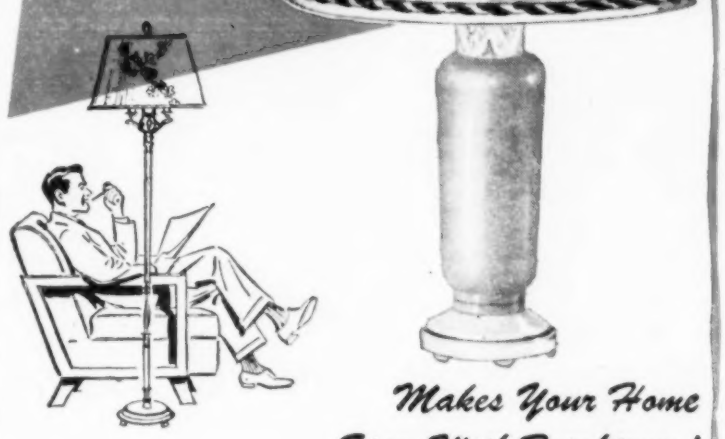

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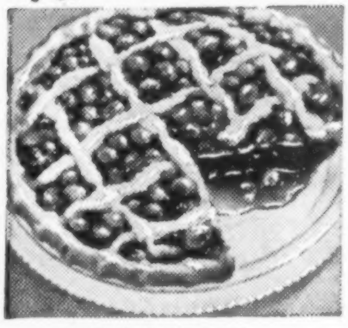
CRANBERRY-APPLE PIE



CRANBERRY-APPLE PIE

1 box Pillsbury Pie Crust Mix
2¼ cups sugar
½ cup water
2 cups apple slices
4 cups Eatmor Cranberries
2 tablespoons cornstarch
2 tablespoons water

Prepare pie crust as directed on package. Roll out half of dough and fit into 9-inch pan. Combine sugar, water, apple slices and Eatmor Cranberries in saucepan. Cook mixture until cranberries pop—about 10 minutes. Make a paste of cornstarch and remaining water, stir into fruit and cook until thick and clear—about 5 minutes. Cool and pour into pie shell. Roll out remaining crust in strips. Arrange crisscross fashion over top. Bake in moderately hot oven (425°F.) 25 minutes.

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Sheer luck

A couple setting out to visit friends had a tire blow out. It began to rain, and in the darkness the man lost his way. Hours later, they ran out of gas on a lonely road and walked till dawn before reaching a farmhouse.

The farmer's wife, cooking breakfast, gave each a bowl of piping hot cereal.

"Darling," exclaimed the man, "this is our old favorite, Grape-Nuts Wheat-Meal!"

"It is indeed," replied his wife. "I guess we were just born lucky!" Adv

Country Girl Goes Back To Farm

Young Woman Tries City Life, But Is Glad To Get Married and Return to the Farm

THERE'S no more wonderful feeling in the world than the one which moves so regularly, yet each time so proudly, across the heart of a farmer (or his wife) at evening.

Dusty and tired from the day's work, he pauses at his doorstep for a last look that all is well before he retires to his bed. The cows munching the grass in the lot, the fences secure, little pigs suckling, a breeze brushing thru the maple trees.

Five years ago, I tried to explain this feeling, thru the pages

"Farm women are full partners with their husbands in the business of farming."

of Wallaces' Farmer and Iowa Homestead, to a city girl recently moved to the country, who found her new life dull, uninteresting and unrewarding.

At the time, I was her opposite—a farm girl who had come to the city to begin a stenographic career. Immediately after my letter was published, I was besieged with mail not only from young farmers, but from farm and city girls alike, who said:

"Yeah, maybe being the schoolgirl daughter on the farm was okay, but don't tell us you'd honestly like to go back to the farm to milk cows, slop pigs and raise chickens."

Five years have passed since then, and I am now doing my best at the most demanding job I ever tackled—being a farm wife. I need not point out that farm wives today are busy, progressive, intelligent women.

They are full partners in the business of farming, and must be prepared to assume many responsibilities, not only in the realm of homemaking and gardening, but in the actual farming of the land, caring for livestock, accounting and bookkeeping, farm management, and all the other phases of farm life.

If my three years as a farm wife have taught me anything, it is how much I don't know about the job I shouldered when I married a farmer.

Yet I feel that we are stressing too much the physical labors involved in being farmers' wives, and forgetting the joys and the privileges that are ours.

When 11 a. m. rolls around, I can go into my garden, bring in the potatoes, cabbage and tomatoes (today's menu), start a nice, thick steak frying, peek at the ice cream made earlier in the morning.

No other group of women can put such fresh, tasty, nutritious meals before their families as we farm wives are doing every day. No other group of women can be so assured of fresh air, sunshine, good food and health for their youngsters; nor has any group a greater privilege than ours as we work side by side with our husbands.

So, if you're wondering if five years, and the transition from a farm girl to a farm wife, has made me change my mind, the answer is, no, indeed!

The peace of mind I enjoy, the tolerance, the friendliness, the easy-going good-nature I observe in my neighbors, convince me again that this is the life.—Ruth Felkner, Appanoose County, Iowa.

Put Chicken In Freezer

CREAMED chicken—and that dressed-up number, chicken a la king—are fine to store in the freezer. That's what frozen-food experimenters have discovered.

There was no separation, or "curdling," as sauces and gravies often do after freezing. Except for a slight change in meat texture, both tasted like fresh chicken after a year in storage.

This is good news for those with non-layers to cull. You will have just that much more variety of foods to select from your locker in the coming months.

Here's a recipe recommended by the United States Department of Agriculture. Ingredients are for six pints. Yields are about three servings per pint.

CHICKEN A LA KING

- 6 cups diced cooked chicken (light and dark meat)
- ½ cup chicken fat
- 5 tablespoons finely-cut green peppers
- 3 cups canned mushrooms
- ¾ cup flour
- 3 cups chicken stock (broth)
- 3 cups milk
- 3 teaspoons salt
- 6 tablespoons canned pimiento (finely cut)

Cook mushrooms and green pepper in the fat about five minutes. Blend in flour. Add stock, milk, seasonings. Cook over hot water until thickened. Add chicken and pimiento and blend well.

To freeze, cool the mixture rapidly by setting the panful in a large container of ice water. Pack in pint cardboard containers with heat-sealing cellophane bag liners. Seal; freeze immediately.

For Little Fellows With Big Colds

Mother . . . the best-known home remedy you can use to relieve distress of colds is warming, comforting Vicks VapoRub. When you rub VapoRub on your child's chest, throat and back at bedtime it starts to work *instantly* . . . and it keeps on working for hours to bring grand relief even while child sleeps. Often by morning the worst miseries of his cold are gone Try it.

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To get quick and satisfying relief from coughs due to colds, mix this recipe in your kitchen. Once tried, you'll never be without it, and it's so simple and easy.

First, make a syrup by stirring 2 cups granulated sugar and one cup of water a few moments, until dissolved. A child could do it. No cooking needed. Or you can use corn syrup or liquid honey, instead of sugar syrup.

Then get 2½ ounces of Pinex from any druggist. This is a special compound of [illegible] ingredients, in concentrated form, well-known for its quick action on throat and bronchial irritations.

Put the Pinex into a pint bottle, and fill up with your syrup. Thus you make a full pint of splendid medicine and you get about four times as much for your money. It never spoils and tastes fine.

And for quick, blessed relief, it is surprising. You can feel it take hold in a way that means business. It loosens the phlegm, soothes the irritated membranes, and eases the soreness. Thus it makes breathing easy, and lets you get restful sleep. Just try it, and if not pleased, your money will be refunded.

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There Is Real Art In Quilting

It Takes Skill to Make a Quilt, But It's a Nice Opportunity For Women to Get Together

SEWING quilt blocks used to be a favorite means of amusing children, back in Grandmother's time. As they grew older, some girls would lovingly put together pieces from all the dresses they had ever worn — carefully saved in the scrap bag by Mother.

With the blocks pieced, however, the quilt was still far from done. Quilting frames would be brought from the attic and placed in a convenient room, propped up on tables or chair-backs.

There's a real art in quilting. Skill and patience are required. And it also provides a nice chance for the women of the neighborhood to get together.

"The women of our church quilt one day each week," said Mrs. W. O. Tanreuther, of Black Hawk county, Iowa. "Just we older ones quilt. The younger women don't take to it much.

"There are eight to twelve regulars in our group. Some who can't do as fine work as they used to will do simpler kinds of handwork to sell. One lady specializes in marking out the quilts.

"Once in every two months we have a birthday dinner in connection with the quilting. Generally, about 20 are present."

This group has made a reputation for fine quilting. Work comes from a wide territory, from women who have pieced their own but wish to hire them quilted. But the output is limited. "We can't do more than about a dozen a year of the elaborate ones," said Mrs. Tanreuther.

"It's generally the older ones who like to quilt," agreed Mrs. Carl Stouffer, Tama county, Iowa. "My mother used to like to quilt, and both grandmothers." She got out one of her many pretty quilts, remarking: "My husband's grandmother made this for him when he was a baby."

Mrs. Stouffer is one of a younger group who enjoys quilting. She has already finished a number of quilts in various patterns. One is an "improved nine-patch." Each square on the outer corners carries out to a point, to create a circular design.

"After they are pieced, there are different women around here who like to quilt, so we do them together," she said.

There's no end to quilt patterns —each quilt you see is different— if not in design, then in materials, manner of quilting, or something. Patterns run all the way from familiar designs such as the nine-patch, flower garden and the double wedding ring thru applique designs to the ever-different crazy quilts.

Here are some other names Ocean wave, rocky road, sunburst, rainbow 'round the world, Jacob's ladder.

Background colors often accent the artistry of a quilt. Mrs. Emil Rapp, Benton county, Iowa, used blue and yellow for a double wedding ring quilt. These are the national colors of Sweden, she explained. (The Rapps are of Swedish parentage.)

"I used to quilt," she said, "and quilts are nice to have. I'd do them in my spare time. But three or four years ago it got so that we couldn't buy good prints, so I quit. Anyway, I'd rather crochet."

An older woman, in Tama county, has given quilts to all her relatives, but still her shelves are packed with homemade quilts and comforters.

"My cousin and my aunt like to quilt," she said. "In fact, every woman in the family. It just comes natural to us."

She brought out one striking quilt of black plush and red velour. It was to be used as a throw on the davenport. "The black is my old plush coat," she explained.

The home was overflowing with examples of her handwork and emroidery and with antiques she had collected.

"Anything old is what I like," was her comment. As we grow older, the value of such hobbies becomes apparent. It helps make up for activities we have to drop in other fields.

There are many women like her who don't stop with just one hobby. Along with collecting house plants, Mrs. Charles Inman, Benton county, has made 25 or 30 quilts herself. What few she had not given away she displayed nicely by spreading them out full size on a bed.

Let us hope, in the busy lives of our corn belt farm women, that quilting does not become a completely lost art.

Clean milking equipment without taking it apart

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"Modern farming calls for time-saving methods, "says John Bernd of New Richmond. "That's why I've switched to Hi-lex *liquid* disinfectant. I can clean my equipment in less than half the time because I don't have to take the machines apart. I've found that Hi-lex does a better job of disinfecting, and does it more economically!" For best results, follow directions on every Hi-lex label.

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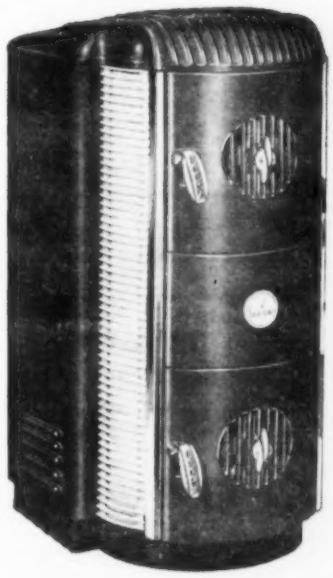

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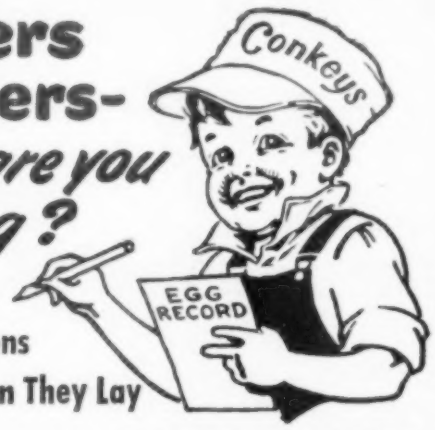
Loafers or Layers- *which are you feeding?*



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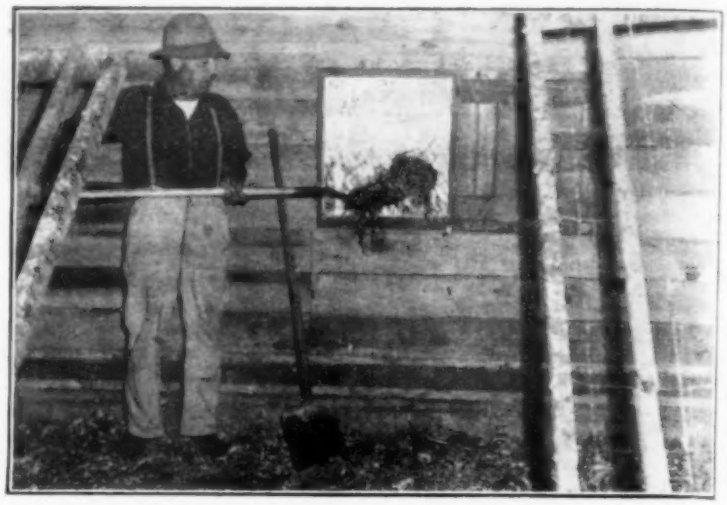
THE FARM FLOCK



Double Window behind roosts in Lloyd Sill's hen house, Delaware county, Iowa, makes it easy to pitch litter into manure loader parked outside. Sectional roosts are easily raised.

Pullets Play Hookey?

Lack of Eggs May Be Your Own Fault

"If the shoe fits, put it on," could be the title of this article by W. R. Whitfield, Iowa State College extension poultryman. Read it and see if he's talking about you.

ARE your pullets playing hookey this fall?

While eggs are high-priced and scarce, many farm flocks are not laying. Some farmers must even buy eggs.

Visit their hen houses and you won't hear the cackling that means a happy flock. Nor are the owners happy.

The mystery is why some people keep chickens. They surely don't like to take care of them. If they did, they would give the birds a better place to live. Poor housing is among the important causes of poor results.

Have you seen pullets at dusk come gazing into the door of a gloomy, manure-filled and odorous hen coop—and then decide to move into the trees? Or have you seen groups of chickens on rainy days, standing around on one foot near some brush-pile?

Egg production is a luxury for a flock under these conditions. All the feed they eat is needed for body maintenance.

Maybe your flock is confined all right—but in a poorly-built or uninsulated house. They'll do pretty well the first weeks of fall. Then hard-freezing weather comes—with dark, short days. Production nearly stops for the rest of the winter.

Single-wall houses are all right thru Indian summer. But they're not good enough for Iowa's below-zero winter weather.

Colds and roup usually result when birds are given insufficient protection against cold weather. And it only costs 5 to 10 cents a year per bird to provide proper housing.

Records from our demonstration flocks at Iowa State College show conclusively that house temperatures should be maintained above freezing. Fifty degrees seems to be the best temperature.

If you keep a calendar record of egg production, you may have noticed that one day of sub-zero weather in the average single-wall house will cause egg production to drop a little the next day, and maybe the following. Then it's back to normal.

But two or three sub-zero days bring a more severe drop, lasting four days to a week. Sometimes production doesn't come back to the former level at all.

When a week or ten days of severe weather prevails, production often drops as low as 25 per cent.

Poor construction also may mean a smelly house. Change the litter and in a week it needs to be changed again. Birds sit around on the wet litter, scarcely scratching it at all. They get into the nests and soil the eggs.

The trouble is that cold air will not hold much moisture. The low temperature squeezes out the dampness and deposits it on the floor, walls or ceiling. Only the insulated house is easily kept dry.

Then there are flock owners whose houses are crowded with too many birds. Go into the houses and you can scarcely find standing-room. Chickens everywhere—on the floor, roosts and feeders.

Crowded birds have to fight for a chance to eat. Like a soup kitchen line-up, the timid wait, and then there just isn't enough to go around. The urge to lay eggs must wait until the birds are turned out in the spring.

Hen-pecking among humans is a joke, perhaps, but it's the real thing in a crowded hen house. It's your job to see that all birds in your flock have a chance to eat, drink and lay profitably. You can not afford to crowd your chickens. That will make culls out of good layers.

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130 EGGS A DAY INSTEAD OF 23

Mrs. Wm. J. Turvey, poultry raiser in the far north state of Washington, tells an interesting story of increased egg production. She says:
"I have 178 chickens. In November their appearance was poor, and I was getting 19 to 23 eggs a day. I started giving Don Sung in their feed. Now, in December, I am getting 130 eggs a day, and my flock is livelier and looks much better. Surprised isn't the word—I'm really amazed at the change in my flock."

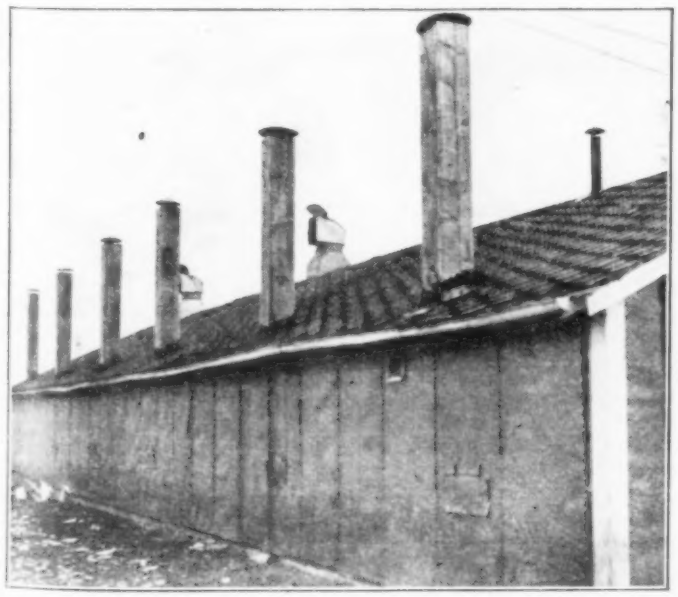
Will you do as well? We don't know. But we do know that you mustn't expect eggs from hens that are weak, under-vitalized and lazy. When flocks are deficient in manganese, vitamins and other essential elements which laying hens require, and which are necessary to pep-up egg production, Don Sung supplies these essential supplements. It does not force or hurt the hen in any way. Why not try Don Sung for your flock. Send 50c for a trial package (or $1 for large size holding 3 times as much) to Burrell-Dugger Co., 228 East South St., Dept. G, Indianapolis 4, Ind. Don Sung must show you a profit or your money will be refunded. Start giving Don Sung to your flock now.

Slot ventilator lets cold air in, warm air (and moisture) out, is opened wide in warm weather, narrowed in cold. Works best with insulation. Extension Director E. J. Weigle checks slot on Mrs. O. T. Seim's new hen house in Winneshiek county, Iowa.

Dry House for Hens

Good Ventilation Gets Rid of Moisture

Fan ventilators cost more, but do best job. Walter Boehlje's fan system in Cerro Gordo county, Iowa, is controlled by thermostat which keeps inside temperature within 4-degree margin.



Roof Vents suck damp, warm air out, making room for fresh air to enter thru wall intakes. Harvey Nossky, Van Buren county, Iowa, added vents to dry floor under roosts.

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Removes large roundworms and cecal worms

New flock wormer for chickens and turkeys saves time. Helps you get the most profit out of poultry.

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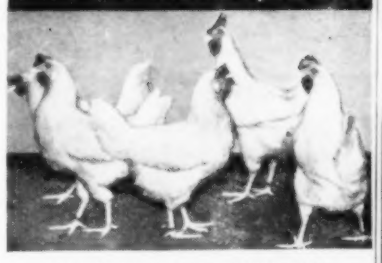

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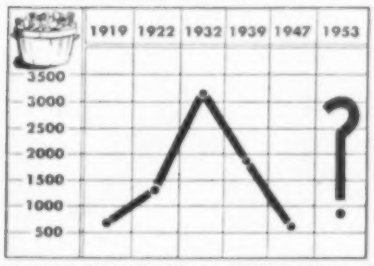

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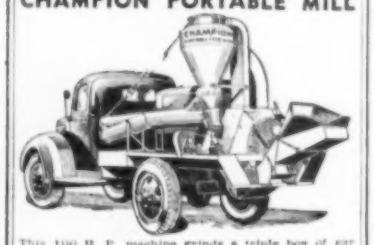

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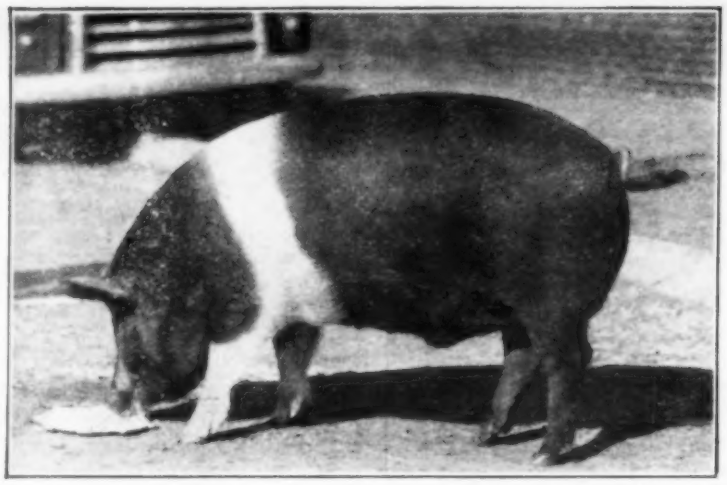

Grand champion barrow at American Royal, Kansas City, Mo. This 265-pound Hamp was shown by Howard Koch, Grimes, Iowa.

Iowa Feeders Win At American Royal

Largest Hereford Show Ever Held Honors R. J. Kinzer; Struve Heifers Win Again

IOWA feeders again topped the list at the 50th American Royal Livestock Show in Kansas City, Mo. For the fourth time, Karl Hoffman, Ida Grove, had the grand champion carlot of fat steers.

His T-O bred champions averaged 1,125. Other Iowans whose fat steer carlots were class winners or in the money were: W. H. Jargo & Son, Andover; Leo P. Harmsen, Teeds Grove, and Dilman Wilson, Bryant.

Grand champion barrow of the show was the Hampshire entered by Howard Koch, Emerald Stock Farm, Grimes. Sellers Bros., Chariton, had champion Hereford barrow.

In fat lambs, Paul Harris, Mystic, scored in Cheviots. E. H. Rotter & Son, West Point, had winning Shropshire wether, as well as champion ram.

The grand champion individual steer, an Angus, was exhibited by Kenneth Eitel, a Greencastle, Mo., boy. Reserve champion open class Angus steer was shown by C. E. Yoder & Sons, Muscatine. El-Jon Farms, Rose Hill, had second place in the senior calf class.

This year's Hereford show was called the "R. J." show, as a tribute to R. J. Kinzer, chairman of the board of the American Hereford Association. The nation's Hereford breeders outdid themselves to honor Kinzer for his long service.

They put together one of the finest Hereford shows ever held. Out of this toughest of all competition came Milky Way Prince Larry 15th, from Milky Way Hereford Ranch, Phoenix, Ariz., to be grand champion bull. He is a summer yearling.

Reserve champion Hereford bull was the junior bull calf, S. O. Symbot Seth, owned by Suncrest Ranch, Gunnison, Colo., and J. E. Owen, Riverside, Calif. The calf, not quite 10 months old, sold after the show to Combs & Worley, of Pampa, Texas, for $33,333.33.

Exhibitors from five states entered the Shorthorn show, with George Struve & Sons, Manning, dominating the female classes. Winner of the purple in the bull classes was Edellyn Farms, Wilson, Ill., on Edellyn Royal Leader 66th.

The Struves had both champion and reserve champion female on Miss Gypsy Maid and Clipper Lady. Struve entries stood one and two in the two-year-old heifer, senior yearling heifer and junior yearling heifer classes.

Ben Studer, Wesley, was consistently in the money.

In a tough Angus show, J. Garret Tolan, Pleasant Plains, Ill., was back with two sons of Eileenmere 500th to win senior and junior championships. Eileenmere 1000th was senior and grand champion; Eileenmere 1064th was junior champion, and another Tolan entry, Pardolermere 2d, was reserve junior champion.

Otto G. Nobis, Davenport, had reserve senior champion with the veteran Bandolier 14th of Wilton.

In Angus females, it was the same story, with Tolan taking grand as well as senior, junior and both reserve championships.

Ak-Sar-Ben Winners

RICHARD McIntyre, Fremont, county, Iowa, repeated his 1946 feat this fall when he showed his Hampshire to grand champion 4-H barrow at the Ak-Sar-Ben, in Omaha, Neb. He also had reserve champion Hamp barrow.

Purple winners in the pen of five baby beef contest were Gordon Held, Plymouth county, and Leo Groth, Woodbury county.

Baby beef purple winners in Angus individual classes were Joe Ramsey and Eugene Robbins, of Clarke county; Dick Clark, Shelby; Rodney Williams, Greene.

In the Shorthorns, Rodney Sorenson, Audubon county, had reserve champion female. Sharon Brown, Ringgold, and Clarice Frederickson, Shelby, had purple winners. Iowa 4-H-ers who showed Hereford calves in purple groups were Jim Handrock, Clarke, and Barbara Hildreth, Emmet county.

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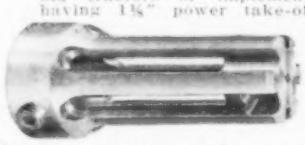

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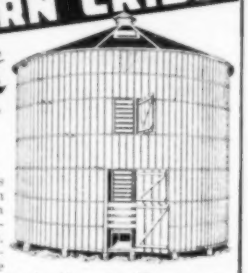

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Farm and Feed-Lot

Ear Corn Silage Is OK For Cattle

To the Editor: What is the feeding value of ear corn silage? — I. A., Black Hawk County, Iowa.

Studies have been made indicating that ear corn silage (no stalks or leaves) can be fed successfully to cattle, but that hogs don't do well on it.

Feeding Value Of Soft Corn

To the Editor: What is the feeding value of soft corn in comparison with good, solid corn?—H. M., Nodaway County, Missouri.

Use as a yardstick corn at 15 per cent moisture, weighing 56 pounds per bushel shelled, and 68 pounds per bushel in the ear. If the corn has 30 per cent moisture, it will take 68 pounds shelled or 88 pounds in the ear to equal the feeding value of a bushel of corn with 15 per cent moisture.

Or, if the corn has 45 per cent moisture, it will take 86 pounds of shelled corn and 111 pounds of ear corn to equal a bushel of 15 per cent moisture corn.

Strychnine For Gophers

To the Editor: What is the best poison for pocket gophers?—L. A. R., Jasper County, Iowa.

Harold Gunderson, extension entomologist at Iowa State College, recommends the use of powdered strychnine dusted on small slices of carrots, parsnips or some other firm root vegetable.

Poke holes in the gophers' runways with a stick, drop in the poisoned bait, and close the holes.

Gunderson says one-sixteenth of an ounce of powdered strychnine will do for a quart of vegetable bait. Shake the bait in a sack or jar with the poison.

Figure Winter Feed Needs Now

You may save some money if you stop now to figure how much cow feed you will need this winter, says Floyd Arnold, Iowa State College extension dairyman.

Roughly, the average dairy cow needs two tons of hay and three tons of silage, 45 bushels of grain and 250 pounds of high protein concentrate this winter. Bulls need about the same amount of roughage, half as much grain and concentrate.

Feed required for the average cow should feed two or three young animals.

Arnold suggests figuring out how much feed you will need. Then you can cull the herd to fit the feed, buy more feed now before a probable midwinter price rise, or adjust the ration to fit the feed on hand.

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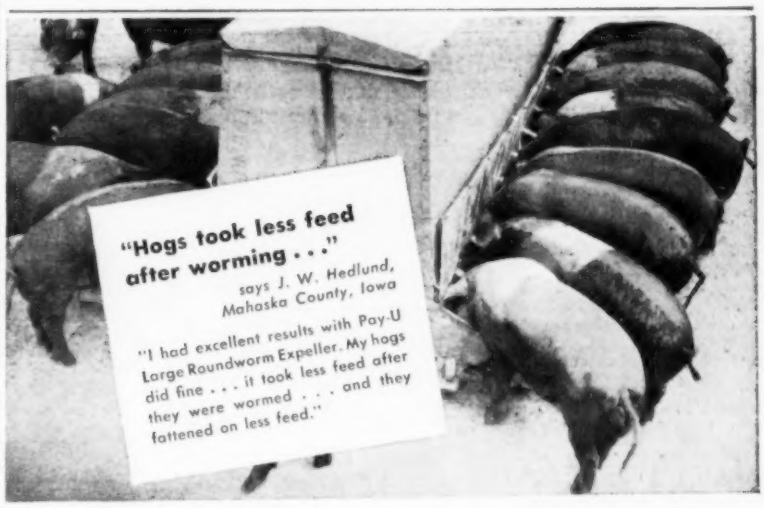

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Authorities agree that, regardless of looks, most hogs have worms. Don't throw corn "to the worms"—now that it's so easy to worm, and costs only about 8c for a 50-lb. pig.

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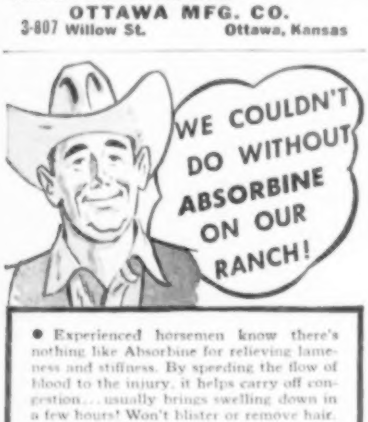

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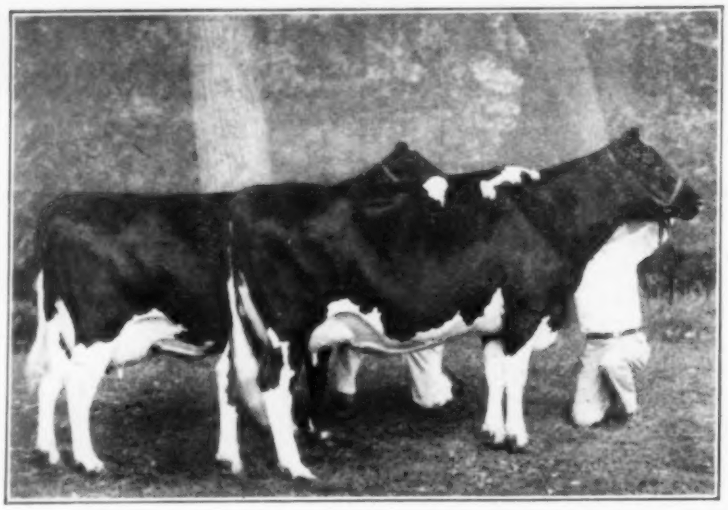

Winners in the Holstein produce of dam class at the Dairy Cattle Congress, these cows are out of Posch Ormsby Fobes Pontiac Lass. They were exhibited by Maytag Dairy Farms, Inc., Newton.

Many Entries From Small Herds

Record Number of Breeders Exhibit At 1948 Waterloo Dairy Cattle Congress

THE Dairy Cattle Congress, at Waterloo, Iowa, this year was outstanding because of the support given it by a great many smaller breeders, in the opinion of E. S. Estel, secretary-manager of the exposition.

True, a great many of these dairymen sent only one or two of their best animals. But the fact that so many different breeders had animals good enough to be at Waterloo is a sign of health and vigor in the purebred dairy cattle business.

The Ayrshire, Brown Swiss, Guernsey and Holstein shows were 1948 National shows. Brown Swiss breeders reported at Waterloo with an impressive list of entries.

In the tough Brown Swiss National show, Paul C. Otto, of Fort Dodge; Mrs. Edith K. Pearson, of Des Moines; J. E. Peters & Sons, Hampton, and Paaske Bros., Davenport, were top Iowa winners.

Bruno's Swiss Girl of Meadow Green, owned by George Beutel, Mokena, Ill., was grand champion female. Grand champion bull was Casanova of Swiss Vista, owned by E. Kueffner and N. E. Leep, Lowell, Ind.

Iowa dairymen scored more often in the National Ayrshire show. F. L. McHone, Stockton; Frost Bros., Waterloo; Vernon Lundquist, Dolliver, and Glen Youde, Spencer, all had winners.

So did Art Droste, Waverly; Chris Thies, Fort Dodge; B. C. Stephenson & Son, Riceville, and Howie Lang & Sons, Brooklyn. E. C. Rasmussen, Audubon, and John Swagerman, Sheldon, also scored in the cow classes.

Netherall Swanky Dan, undefeated in 81 trips to the show-ring, was grand champion Ayrshire bull. Curtiss Candy Company announced after his victory that he is being retired from the show-ring. Grand champion female was Ayr-Line Royal Girl, owned by W. S. Watson, Hutchinson, Kan.

Only three Iowa breeders were able to stay near the top in the National Guernsey show. Alvin W. Hitz & Son, Polk City, had a batch of wins. W. H. Acker, Waterloo, and C. G. Lawyer, Clear Lake, took awards.

Grand champion bull was McDonald Farms Jeweler, jointly owned by the University of Connecticut and J. W. McDonald, of Cortland, N. Y. Curtiss Candy had the top female, Alton's Golden Marie.

In the National Holstein show, Maytag Farms, Newton, was consistently near the top. Spies & Lein, Graettinger; C. E. Miehe & Son, Maynard; Don and Nelson Rehder, Gladbrook, were also winners.

Grand champion Holstein bull, Chip of Nettie and Aaggie, and the grand champion cow, Rosehill Fayne Wayne, were exhibited by F. W. Griswold (Franlo Farms), Hopkins, Minn.

Two Illinois breeders exhibited the grand champions in Jerseys. Standard Oxford Design King, owned by Jack Summerville, Centralia, was top bull, and Forward Gold Bell, owned by I. W. Myers, Fithian, was top female.

Claire Wemer, Rose Hill; Youngcrest Jersey Farm, Jesup; David Jones, Clarinda; Adams Bros., Moulton; Mary Jo Skala, Tama; W. J. Little, West Branch, and H. D. Tudor, Rowan, scored consistently to uphold the honor of Iowa's Jerseys.

Altho both Milking Shorthorn championships went out of state, that show found Iowans scoring heavily. Grand champion bull was Kingsdale Champion, from Kingsdale Farms, Victoria, Ill. Grand champion female was Mac's Jennifer, from McCarthy Farms, Cottage Grove, Wis.

Iowa breeders who went home with ribbons, including a number of blues, were I. F. Meyer & Sons, McGregor; McKee Farms, Carlisle; Clampitt Farms, New Providence, and Brookview Farms, Oskaloosa.

In the Iowa 4-H dairy show, the champion heifers were exhibited by: Ayrshires—Robert Messer, of Black Hawk county; Brown Swiss

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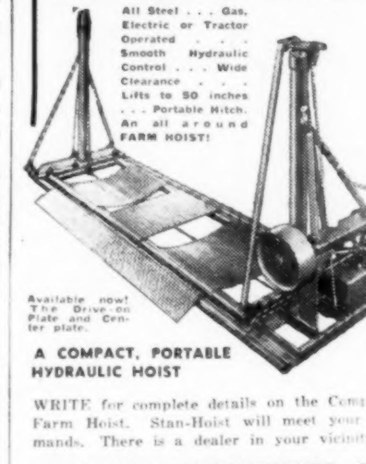

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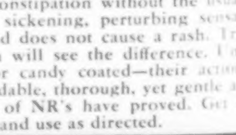

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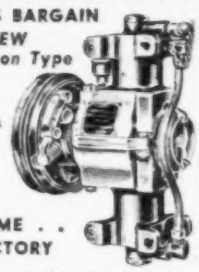

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—Robert Cobbler, Wapello county; Guernseys—LeRoy Woodruff, Warren county; Holsteins—Roger Gerlach, Mitchell county; Jerseys David Jones, Page county; Milking Shorthorns—Wayne McKee, Warren county.

In the National Belgian Horse Show, the grand champion stallion was Jay Farceur II, owned by W. G. Harkness & Son, Sandusky, Ohio. Grand champion mare was Victory, owned by C. O. House, Arcadia, Ind.

The Eldora chapter won the Iowa FFA dairy cattle judging contest. High man in the contest was Michael Wiley, of West Union. In the National contest, the Iowa team was in the silver emblem group.

In the Iowa 4-H dairy judging contest, Boone county had the top team. Eugene Woodcock, Bremer county, was high individual. In the state dairy demonstration contest, purple ribbon awards went to the teams from Clayton, Bremer and Worth counties.

In the collegiate contest, the Iowa State College team was second, altho Bud Willer, of Iowa State, was high man. Tennessee won the contest.

Price Warning On Hawkeye Beans

You won't make money by buying Hawkeye soybean seed at high prices now in order to grow seed for sale next fall. This warning comes from Joe L. Robinson, Iowa State College agronomist, in charge of seed certification.

The Hawkeye soybean was distributed for the first time last spring. Only selected growers got the seed. It is adapted to the northern five tiers of Iowa counties, northern Illinois, northeastern Nebraska, and areas farther north.

Here are Robinson's figures: Iowa farmers grew 7,000 acres of Hawkeye beans this year. That means 150,000 bushels of seed for sale next spring. This amount of seed should plant 150,000 acres. A yield of 20 bushels would mean three million bushels of seed one year from now.

With that much Hawkeye seed next fall, you probably can't pay $10 to $20 per bushel for seed this fall and expect to get your money back selling seed next year.

Farmers who got Hawkeye seed for the 1948 crop agreed to sell the whole crop for seed except enough for their own 1949 seed needs. The seed was to be sold in their own counties at no more than $1.50 per bushel above the Chicago market.

So the agreement price for Hawkeye seed beans is about $4 per bushel.

Looking Ahead To Help

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It's true! And unmatched economy is just one of the reasons why more farm buildings are being built with Modular Clay Face Tile today than ever before. Clay Tile can't burn. It won't rot. It's rodent and termite proof. Easy-to-keep-clean Clay Tile interior walls mean less work, more sanitation. Put Clay Tile to any test . . . you'll discover it's tops for all types of farm buildings.

Ask Your Local Lumber Dealer For Free Estimates . . . also for information about fire-safe, economical Precast Clay Tile Beams for hay mow floors.

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Please send me the following:
☐ FREE! "Plans for Modern Clay Tile Farm Buildings."
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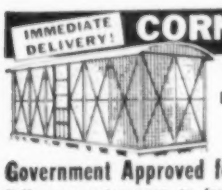
IMMEDIATE DELIVERY! CORN CRIBS



All Steel
Easy and Quick to Erect
Low Cost

Government Approved for Sealing Corn

Crib your extra corn to feed more livestock, store it to get higher prices later. Extra profits should pay for crib first year!
Quickly, easily assembled. Sturdy steel bracing, lined with ½" hardware cloth. Heavy corrugated galvanized roof. Built to last for years. Rat, mouse and bird proof. Large capacity.
BASIC UNIT—24 x8 x8 —700 bu. cap. .. $359.50
EXTRA 8 ft. SECTIONS—233 bu. cap... $ 99.50
Shipped FOB Factory. Immediate delivery. Call or write.
BROWER MFG. CO. Box 8364 Quincy, Ill.

NEW Duplex HYDRAULIC SCOOP.. AND REVERSIBLE BULLDOZER & SNOWPLOW

For hydraulic equipped tractors. Hand lift model also available.

With this hydraulic scoop, you can dig, deliver, place more dirt faster, easier.

Write Today for Details and Literature
DUPLEX MANUFACTURING CO., Dept. A-3
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SCHROCK NATURAL HI-TEST PHOSPHATE (32-34% P_2O_5). Potash. Super Phosphate. Mixed Fertilizers. Aero Cyanamid. 11-48-0. Fertilizer Spreaders. Prompt deliveries. Dealerships available in some areas. SCHROCK FERTILIZER SERVICE, Congerville, Illinois.

Portable engine runs elevator on Foster Wilson farm in Calhoun county, Iowa, as Henry Hintz unloads wagon. The engine saves time and trouble of moving the tractor into position to elevate each load. Some farmers do same job with portable electric motor.

Voice of the Farm

"Parasite Off Of Others"

To the Editor: Did you ever serve your country? If not, how can you stand in judgment on whether or not the draft would make citizens? (Editor's Note: The writer refers to our statement that the purpose of the draft is to make soldiers, not citizens.)

You sound like a big, yellow draft-dodger to me.

You love to enjoy the fruits of living here as long as you can parasite off of others.—Veteran, Saline County, Nebraska.

Answer to your first question is "Yes." That's why it makes us tired to hear the argument that we need a draft to turn young men into "better citizens." If we need a draft to train soldiers, fine. But there are better ways of making "good citizens." —Editor.

Sings Praises Of Dixie

To the Editor: I read with interest your article on new farm leases (October 2 issue).

Why don't you make the tenant pay the taxes, have the landlord out for dinner every Sunday, contribute milk, cream and two dozen eggs daily to the landlord, wash his car, cut his hair, shine his shoes, contribute a day's maid service weekly, and provide a two-month winter vacation in Florida or California?

Seriously speaking, I was born, grew up and received my education in Iowa. Down here in Dixie, I furnish everything—land, seed and machinery—to my share-cropper. He furnishes the crop labor only. For any extra labor—like fence-building—I pay him by the day.

To a renter who furnishes seed, power machinery and labor, the rent is one-fourth. He keeps three-fourths for himself.

All this in Mississippi — a state that, according to statisticians and Yankee Claghorns, is the most backward.

Well, here are some facts: Our land taxes average around 20 cents per acre. We have the best cattle grazing country in America. We can raise oats that will put the midwest to shame. We have a delightful, year-around climate, and it's only a three-hour drive to the gulf coast—one of America's winter playgrounds.—A. J. Campbell, Clay County, Mississippi.

Sounds good. But what kind of school does a 20-cent tax provide for your share-cropper's kids? Maybe you've explained why Mississippi's illiteracy rate is one of the highest in America. —Editor.

Sees No Need For Conscription

To the Editor: Many people share the opinion of the young woman who says (of the draft): "My husband served four years; it's no more than fair for other women to take the bitter pill I had to take."

An attitude like that fosters war. My son was gone for three years, and I can sympathize with mothers whose 'teen-age sons are forced into the service.

A Cherokee county woman says: "The boys might as well be in service as drinking and tearing around nights." Any ex-service man will tell you a large majority of young soldiers learned to drink after (not before) they entered service.

Put the money that we spend for "preparedness" into training schools, make attendance compulsory, and we will go a long way in exterminating war, which is caused by the greed, hate and avarice of the privileged classes and the weakness, ignorance and helplessness of the so-called lower classes.

Give everyone the same chance, and future generations will have no need for conscription.—Mrs. L. Graham, Tazewell County, Illinois.

True—if the other countries wiped out greed and ignorance, too.—Editor.

Clip Farm Animals Regularly

Sunbeam STEWART CLIPMASTER

NEW More Powerful Motor . . . 25% greater speed

CLIPS Cows, Horses Mules, Dogs, faster, better

Good dairymen everywhere clip dairy cows to reduce bacteria count and sediment in milk. Clipped cattle sell for more money. Clipped horses look better—feel better—can do more work. Use Clipmaster year-round. It will pay for itself. Fits the hand in natural grip. Perfectly balanced for fast, easy clipping. Smooth-running, forced air-cooled motor. $32.50.

HAND OPERATED MACHINE
Use the easy-to-turn, ball-bearing machine where electricity is not available. Has 6-foot shaft and chain for convenient clipping of all farm animals. $29.50.

Sunbeam Stewart clipping equipment is available at all good hardware and implement dealers

SUNBEAM CORPORATION
(formerly Chicago Flexible Shaft Company)
5600 W. Roosevelt Rd., Dept. 101, Chicago 50, Ill.

Here's how to help STEP UP meat production at LOWER feeding costs.

Well-known feeders across Iowa rely on the dependable Puritan feeding program to help step up their feeding results. Typical results reported are:

Average 2.8 lbs. gain per steer per day over 110 day period."—Guy French, Nevada, Iowa.

"Litters appear to have better bone and heavier back structure."—Thos. Carstensen, DeWitt, Iowa.

Start 'em right and keep 'em coming fast. Depend on MIN-A-LAK — a mineral supplement — contains major and essential trace minerals, vitamins and yeasts balance to help get more feed value from your grains. PURITAN 40 — a rich 40% protein concentrate — contains amino acids in an easily digestible form, essential to help develop quality livestock quicker and at lower cost.

WRITE FOR PURITAN COMPLETE FEEDING PROGRAM

It will help you make the most of your grain. Ask your Puritan representative or write our Research Department, telling us what you have to feed. We'll advise a proven feeding program without obligating you.

PURITAN Laboratories, Inc. Des Moines, Iowa

BACKACHE, LEG PAINS MAY BE DANGER SIGN

Of Tired Kidneys

If backache and leg pains are making you miserable, don't just complain and do nothing about them. Nature may be warning you that your kidneys need attention.

The kidneys are Nature's chief way of taking excess acids and poisonous waste out of the blood. They help most people pass about 3 pints a day.

If the 15 miles of kidney tubes and filters don't work well, poisonous waste matter stays in the blood. These poisons may start nagging backaches, rheumatic pains, leg pains, loss of pep and energy, getting up nights, swelling, puffiness under the eyes, headaches and dizziness. Frequent or scanty passages with smarting and burning sometimes shows there is something wrong with your kidneys or bladder.

Don't wait! Ask your druggist for Doan's Pills, a stimulant diuretic, used successfully by millions for over 50 years. Doan's give happy relief and will help the 15 miles of kidney tubes flush out poisonous waste from the blood. Get Doan's Pills.

Send for this FREE BOOK on RHEUMATISM

ARTHRITIS • NEURITIS • SCIATICA

If you suffer the agonizing pains of these diseases when the usual remedies have failed, learn about a specialized system proven for treating. This marvelous treatment is completely explained in the Ball Clinic's

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A Name You Can COUNT On
LOADERS
FARM WAGONS
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Coats Loaders & Stackers, Inc.
FORT DODGE, IOWA

BELIEVE IT OR NOT . .

A thin NECRO PIG MAY EAT MORE . . .

Than a FAT PIG FED MASTER LIQUID HOG MEDICINE

WHY WASTE FEED WHEN YOU CAN TREAT OR PREVENT NECRO!

For 25 cents or less you can do something about those scouring, necrotic pigs which eat their heads off yet slowly starve to death. Feed the easy-to-use Master Medicated grain right. Warning: Beware of cheap imitations and counterfeits.

The Genuine Master Liquid Hog Medicine that's guaranteed to please or your money back in thirty days from your Master dealer in your county or from Master Laboratories, Omaha.

Order 1 gallon for each head to be treated. Here are the low-cost prices: 1 gal. $4.50, 2 gals. $8.50, 3 gals. $12.50, 5 gals. $19.50, 10 gals. $37.50, more than 10 gals. $3.75 per gal. Orders for 3 gallons or more sent prepaid.

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Omaha, Nebraska

FEED FOR Bigger EGG PROFITS
VICTOR
EGG GRANULES
(Also Mash and Pellets)

An ideal hen feed balancer—rich in original vitamin sources, containing essential carbohydrates, minerals and proteins designed to stimulate high egg yield at low feeding cost.

See Your VICTOR Dealer Today And Get the Proof!

CRETE MILLS • CRETE, NEBR.

LOWEST PRICE COMPLETE TRACTOR DRAG SAW MADE!

THE UNIVERSAL TRACTORSAW
FITS ALL TRACTORS

ROCKLIN MANUFACTURING CO.
SIOUX CITY 7, IOWA

Buy a Bond Today!

More Dams Or More Grass?

Iowan Thinks That Big Dams Are Not The Answer To Flood Troubles In Corn Belt

Can big dams control floods unless they are backed up by more grass, more trees, less plowing on the slopes draining into the head-waters? And if a good soil conservation job is done up-stream, do we need such big dams downstream?

W. C. Boyer, Linn county, Iowa, raises questions such as these in the following letter. Let's hear from other readers.

THE federal government has made available a million dollars for building a dam on the Des Moines river at Howell, Iowa, and three-quarters of a million for one at Coralville, on the Iowa river.

Do we want to have these rivers dammed? Can this program be carried on thruout the state? Does it solve our problem? Will not one district so "protected" call for other districts upstream?

These two projects would involve some 95,000 acres of land, and displace thousands of agricultural workers. When all danger spots have been thus "protected," how many million acres have we taken out of production?

Would not this program prolong the very conditions which we hope to avoid? Would not the annual loss in production exceed by far the original outlay? From whence comes the revenue for upkeep? How dispose of the silt?

It has been demonstrated that the flow of water can be materially reduced and controlled, with much benefit to all the land.

Our first hundred years of farming in Iowa has seen the draining of the prairies and the lowering of the water-table, with a corresponding rise in the crest of floods.

We have given all our attention to drainage. We must now turn to conservation of the soil.

We have reduced the water-level to a danger point. Wells have dried up; springs have quit flowing, and not enough moisture is stored in the soil to tide us over dry spells of mid-summer.

We have been overworking the plow and going short on cover crops. Land continuously under the plow loses its capacity to absorb and to hold moisture.

Our conservation work is now only in its cradle, with less than 2 per cent of our land contoured or terraced. Much of this work is beyond the reach of the individual farmer. He may need county, state or national assistance.

A few projects have been completed with very gratifying results. Many others are under way, but not enough is yet done to have a telling effect on our principal streams.

A notable example is the Jones creek project, in western Iowa, along the Missouri river, where uplands were saved from ruinous erosion and bottom-lands saved from annual floods. A high-water mark of eight feet was reduced to less than three.

Another instance is at Winona, Minn., where a lake, once dredged, was rapidly refilling until its water-shed was surveyed and brought under conservation.

There are many places where dams and levees can be used to advantage, but as conservation progresses their necessary heights will be lessened. We can not afford to build reservoirs at the expense of a greater security.

The same investment in conservation will afford much greater protection. Rivers may be improved by removing snags and sand-bars, and holding the soil back on the land. . . .

We can produce more by plowing less. One acre in conservation and rotation will produce more than two acres of overworked land. We can take 100-bushel crops from the land, or break it down until it will not return the seed.

No cultivated crop can withstand adverse winds and weather like grassy meadows and thatches of timber. No farm implement can pulverize and rebuild the soil like either one of these. We must remember from what these soils are made, and keep them alive.

Much can be gained by a better rotation with legumes and grasses, and strip-cropping. . . .

We can best control floods by spreading our work over the land where the waters fall, thus holding them back before they become raging torrents. Bare ground sheds water too rapidly. It takes vegetation to hold it back—and to hold the soil.

REAL DANGER IN SAGGING FLOORS and TILTING WALLS caused by OVER-LOADS in Barns, Warehouses, Granaries and Other Farm Buildings

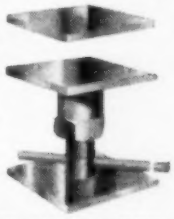
Ease this Terrific Strain With a GENUINE ANDERSON SYSTEM

Junior Adjustable FLOR-LIFT
(TRADE MARK)

Faulty, dangerous floor settling stopped QUICKLY, SAFELY and PERMANENTLY with a "FLOR-LIFT" . . . Weight raise 10,000 lbs. Supporting weight 30,000 lbs. Easily installed . . . small expense . . . Used nation-wide for correction of floor-sagging and faulty construction in buildings and homes.

WE SHIP DIRECT if your dealer does not stock Junior FLOR-LIFT.

PRICE Junior "Flor-Lift" —as shown $7.95



Shipped Postpaid upon receipt of your check or money order. Sent COD if requested. Money refunded if not satisfied.

(NOTE—Larger sizes of FLOR-LIFT also available. Write for details.)

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Please ship ..... sets Junior FLOR-LIFT ($7.95 each set)
Name .....
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Check Enclosed ☐ —Money Order ☐ Send COD ☐

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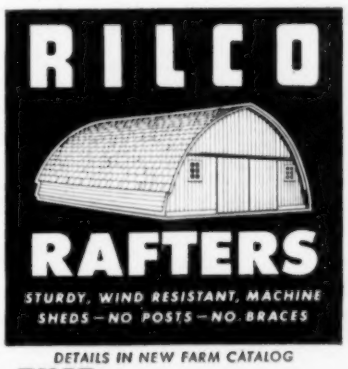

RAFTERS
STURDY, WIND RESISTANT, MACHINE SHEDS—NO POSTS—NO BRACES

DETAILS IN NEW FARM CATALOG

RILCO LAMINATED PRODUCTS, Inc.
2581 First National Bank Bldg., St. Paul 1, Minn.

New Goose and Duck Feathers

Longest profit on your feathers. Ship to a pillow manufacturer established 48 years with plants in three major cities. Write for price list. Prompt remittance.

COLUMBIA BEDDING CO.
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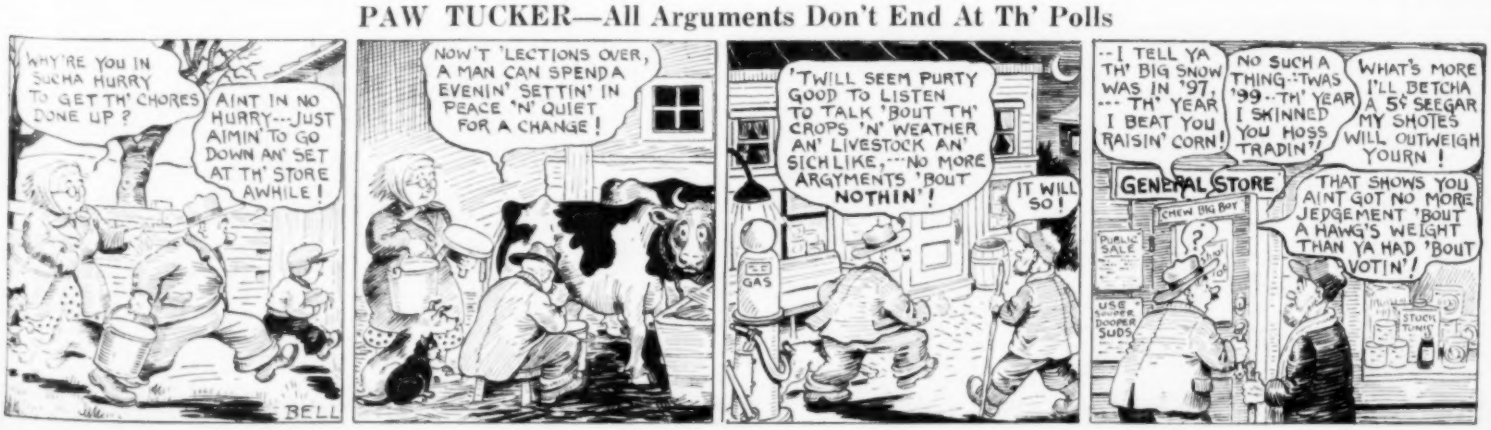
FEATHERS WANTED

Best prices paid for new Goose and Duck feathers. Used feathers—send sample for price. Checks mailed same day shipment received.

PROGRESS FEATHER CO.
657 West Lake Street Chicago 6, Ill.

OUR ADS ARE NEWS

PAW TUCKER—All Arguments Don't End At Th' Polls



See the PAPEC HAMMER MILL

Whether you need a mill for average grinding or a big mill for heavy duty service, there is a Papec Hammer Mill to suit your requirements. And only Papec gives you ALL these extra features: reversible 3-ply hammer tips good for 10,000 to 20,000 bags of grinding; 30% to 40% more screen area; non-clog feed delivery; finer grinding with coarser screen; more pounds of top-notch grinding per h.p. hour.

And remember! Every Papec mill is GUARANTEED to outgrind *any* other mill in the same power class.

Dealers are making deliveries now. See your Papec dealer or send name on the margin of this advertisement for illustrated folder on Papec Hammer Mills. Papec Machine Co., Shortsville, N. Y.

PAPEC HAMMER MILLS

GUESSING IS FUN

But not when the health of your valuable livestock is at stake. Don't guess about livestock diseases. Call a ***Graduate Veterinarian,*** for he is qualified by years of training in special schools to diagnose and treat diseases of farm animals.

Call a ***Graduate Veterinarian*** when livestock disease strikes on your farm, or for regular examination of your herds and flocks. Don't take a chance on costly diseases. The small charge for *expert* treatment may save you expensive losses.

A ***Graduate Veterinarian*** will take the *guess* out of livestock disease treatments.

ARMOUR

VETERINARY LABORATORIES
KAW STATION • KANSAS CITY 18, KANSAS
PRODUCER OF ARMOUR ANTI-HOG CHOLERA SERUM

Look For The Sign Of Dependable

Hanson CHEMICALS

WEED and INSECT CONTROL with the HANSON Sprayer and CHEMICALS

Hanson chemicals are especially formulated for low-gallonage spraying that has proved its effectiveness in numerous tests. Crop yields are greatly increased. See your local farm dealer displaying the Hanson sign of quality products.

Chemicals and Equipment for Agriculture

HOWARD HANSON & CO.
BELOIT, WISCONSIN

ITCH Checked in a JIFFY

Relieve itching caused by eczema, athlete's foot, scabies, pimples and other itching conditions. Use cooling, medicated **D.D.D. Prescription.** Greaseless, stainless. Soothes, comforts and checks itching fast. 35c trial bottle proves it—or money back. Don't suffer. Ask your druggist today for **D.D.D. Prescription.**

YOU'LL BE DELIGHTED

Eight Novelgate Prints now only 25c. Two prints each only 35c. Free mailers and price list showing other services. Write today.

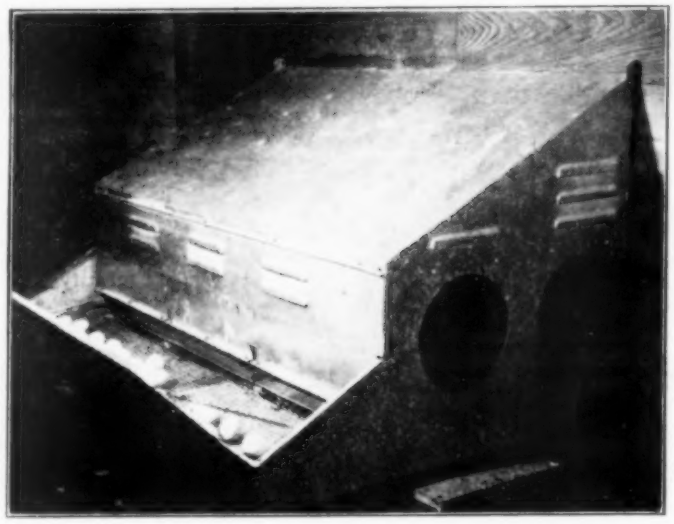
HAMMOND SALES CO. HANNIBAL, MO.

HIGHEST CASH PRICES

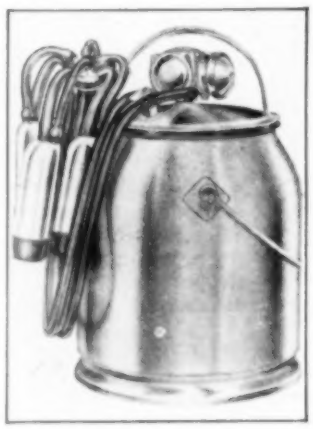
For new and used goose and duck feathers. Ship to

MIDWEST FEATHER CO.
2300 S. Calumet Ave. Chicago 16, Ill.

What's New?



Hen's Nest has separate compartment into which eggs roll as soon as laid. Made of metal and accommodates 70 to 80 hens. It's dark, has ventilation, and has four entrances. Sloping roof prevents roosting on it. Claimed to make high-quality eggs because they cool faster and don't get dirty. Automatic Egg Maid is distributed by Russell Manufacturing Co.



Timer Bell on this milking unit tells you when milking time is up. Can be set to any desired time from one to six minutes. You set the bell much like an alarm clock, when the milker is applied to the cow. It is manufactured by the International Harvester Co.

Three Turns of the crank lifts milk can with this swinging hoist. Safety ratchet prevents can from falling. Boys and girls can operate it. Adjustable as to length and height of arm. Said to be adaptable to all types of coolers. Made by Krauss Mfg. Company.

Room Heater fits in the wall and operates automatically. This 2,000-watt heater uses the same voltage current that is used by electric ranges or water heaters. Wall opening required is 14¼ inches wide, 20¼ inches high and four inches deep. Can be adjusted to come on automatically at any temperature between 60 and 85 degrees. Made by Westinghouse.

WAR Surplus

Check these SMASHING BARGAINS

Among here are a few samples of the unusual bargains that are being offered at each War Surplus and other Surplus store. Take advantage of these bargains and order today. Use as

NAVY STYLE FIELD SHOES 4.99 6 TO 12

BOMBER JACKET 13.99 SIZES 34 TO 46 B-15 STYLE

SPECIALS
O. D. Wool Serge Shirts 13-15 2.79 Pants 28-34 2.95
• Dust Masks 33¢
• Khaki Shirts 14-17 2.99 Sunton Pants 29-42 3.88
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ARMY STYLE 6.88 COMBAT BOOTS 6 TO 12

77 EACH Surplus 50% WOOL SHIRTS DRAWERS

Genuine NYLON PARACHUTE CORD PER HANK 59¢ 50 FT.

OFFICER STYLE OXFORDS 6.95 BROWN • BLACK

SEND FOR FREE Surplus CIRCULAR

MAIL ORDERS
Please remit with order. Be sure to include postage. Satisfaction or money back.

SIOUX FALLS SURPLUS STORE
SIOUX FALLS, S.D.

+ FISH +

All new frozen fish . . . Select stock . . . Boxed for easy storing.

Herring, Silver Large	50 lbs.	$ 6.50
Sheephead (White Perch)	50 lbs.	7.00
Pickerel (Northern Pike)	70 lbs.	14.00
Suckers (Buffish) Large	50 lbs.	5.00
Yellow Perch, Select Large	50 lbs.	12.50
Walleye Yellow Pike	50 lbs.	17.50
Carp, Round Large	50 lbs.	4.75
Carp, Headless & Dressed	50 lbs.	8.00
Fancy Lake Trout	50 lbs.	26.50
Bullheads, Skinned, Dressed	50 lbs.	16.50
SILVER RED SALMON STEAKS	30 lbs.	13.50
SMELT (Famous Green Bay)	25 lbs.	3.50
Catfish, Headless & Dressed	50 lbs.	23.50
Steak Cod, Headless & Dressed	50 lbs.	13.50
Fancy Lake Whitefish	50 lbs.	22.50
Boneless Rosefish	10 lbs.	2.10
Boneless Haddock	15 lbs.	3.50
Boneless Ocean Pike	10 lbs.	3.10
Boneless Northern Pike	10 lbs.	2.60
Smoked Bluefins	10 lbs.	2.50
9 lb. Keg Imported Salt Holland Herring		2.50
Oysters, Per Gallon		6.00

Order from this ad. Discount 1c per lb. on orders of 100 lbs. or over, one or mixed varieties. Order as many boxes as you want. Prices F.O.B. Green Bay. No box charge.

MIDWEST FISH CO.
230-232 N. Broadway Box 1166
GREEN BAY, WISCONSIN

Snider HAND CLUTCH CONTROL

Tailor-Made for FARMALL, ALLIS-CHALMERS Tractors

Natural operation—just as PAT. use on Allis-Chalmers WC, B or Farmall H, M, F20. Bendix. Easily installed, simple adjustment. Can be used with foot clutch.

NOW—Boys Can Run the Tractor!

It also enables men to work in great comfort, use one foot. Hand control is $17.50 F.O.B. Falls, Iowa. At Your Dealer—or Write Us!

CALHOUN MFG. CO., CEDAR FALLS, IOWA

SAVE $4.50 on 15 Feet Galv. steel TOW CABLE

$7.50 VALUE FOR ONLY $3.00

Breaking point 4000 lbs. Spliced loop. No loose ends. For towing, stump puller, boulder removal. Many other uses. Lasts years. Money back guarantee. Most new. We pay postage. No C.O.D.

NORCOD ASSOCIATES
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Portable Corn Driers

New and used. Prices unbelievably low. Will dry wettest corn in few hours and get it in shape for any extended storage.

MID-WEST POPCORN CO.
1114 HOWARD ST., OMAHA, NEB.

NOW—A TRUE V-BELT CLUTCH

LOW COST

Quickly mount a proven V-Belt Clutch on any farm equipment or gas engine up to 15 H.P. Light. Compact. Ideal for electric motors. Built-in pulley. Hi-speed. Smooth pick-up. Won't wear out. Pays its way in belt savings. *The Clutch you've always wanted. Write now for details.*

Dealers: A Must Item for Stock.

V-BELT CLUTCH CO.
3757 Wilshire Blvd. Los Angeles 5, Calif.

Farm News Briefs

COMING EVENTS: Waterloo Meat Animal Show, Nov. 3-6; National Grange convention, Portland, Maine, Nov. 9-20; FFA national convention, Kansas City, Nov. 14-18; Iowa Farm Bureau annual meeting Des Moines, Nov. 15-18; International Livestock Exposition and National 4-H Club Congress, Chicago, Nov. 27-Dec. 4; American Farm Bureau convention, Atlantic City, Dec. 13-16.

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IOWA'S 1948 CORN CROP was the driest since 1939, according to October 10 tests. State-wide average was 23.8 per cent, compared with 25.9 per cent last year, 31 per cent in 1946, and 40 per cent in the soft corn year of 1945. Driest corn this year (20.2 per cent) was in southwest Iowa, wettest (28.3 per cent) in the northeast.

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CORN THIS YEAR also is the heaviest in seven years. Average weight per measured bushel in Iowa in mid-October was 55.4 pounds. Last year, the test weight was 54 pounds, in 1946 it was 51.8 pounds.

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IOWA'S BIGGEST GRAIN sealing program since 1939 is under way. Already under seal are 2,553,009 bushels of oats, 1,770,034 bushels of wheat, smaller amounts of flax, barley and rye. And the huge corn sealing program is just getting started, with 750 sealers on the job.

▲ ▲ ▲

THREE NEW FIELD MEN—for a total of 19—have been added by PMA to supervise sealing of Iowa corn. They are Alfred Jolsten, Hancock county; Roy Dezler, Iowa county, and Clarence Ulum, Cerro Gordo county. Harold Larson, Jones county, has joined the field staff to replace Roy Dyas, who has retired after 14 years' service with AAA and PMA.

▲ ▲ ▲

FARM LOANS TO 100 tenants by next June 30 is the Iowa goal of the Farmers Home Administration. FHA made 37 long-term loans last year, has 37 applications on file now—mostly outside of high-price areas.

ARMY ENGINEERS have selected a site near Howell, in Marion county, Iowa, for the 48½-million-dollar Red Rock dam, ending the argument over whether the dam should be built and where it should be located. The dam will create a 40,000-acre reservoir on the Des Moines river.

▲ ▲ ▲

IOWA LEADS ALL STATES in farm income for the first eight months of 1948, with a total of 1½ billion dollars—more than eight southeastern states put together. California remains in the No. 2 spot, with Texas third.

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GOVERNMENT CROP insurance programs in seven Iowa counties this year showed a profit of $117,400. Corn was insured in Buena Vista, Osceola, Floyd, Madison, West Pottawattamie, Washington and Story counties, flax in Osceola county.

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BROME GRASS SEED may be hard to find this winter and next spring. The USDA reports the seed crop in principal producing states—Kansas, Nebraska, the Dakotas—is less than half as big as in 1947.

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A BILLION-BUSHEL carry-over of corn is needed in the ever-normal granary to cover risk of war and crop failure. That's what W. F. McArthur, former Iowa AAA committeeman now in charge of CCC grain buying, told the Iowa Council of Cooperation last month. The council re-elected Don Edison, of the Iowa Farmer Grain Dealers, as president. Howard Hill, of the Iowa Farm Bureau, as secretary.

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TWO FARMS on which Iowa State College is making studies of electricity use will be open to visitors this month. Open house on the George Hora farm (seven miles northeast of Washington on County Road R) is scheduled for 1 to 4 p. m., November 12. The Clarence Hotz farm (seven miles southwest of Fort Dodge) will be open the morning and afternoon of November 19.

RED CLOVER SEED production in Iowa this year was only 70,000 bushels, compared with 97,000 bushels in 1947. But other states did well enough to provide a total supply 18 per cent greater than last spring.

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OVER 70 COUNTY Farm Bureaus in Iowa have boosted dues from $10 to $15. One dollar of the increase goes to state and national Farm Bureau offices, the rest stays in the counties.

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NEW PRESIDENT of the Iowa Association of Soil Conservation District Commissioners is Don Anderson, Pottawattamie county. He succeeds Earl Elijah, Cedar county. William Stanton, Dubuque county, was named vice-president, and Allen Schroder, Polk county, was reappointed secretary-treasurer.

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IOWA FARMERS this year paid $7,717,613 in state taxes on 1947 incomes—more than twice as much as a year earlier. Number of farm tax-payers was 105,721, down about 2,500 from 1947.

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THANKSGIVING WEEK will see an Iowa-wide campaign to collect grain and other farm produce for the Christian Rural Overseas Program (CROP). Products gathered in a farm-to-farm canvass will be distributed abroad by Catholic, Lutheran and Protestant agencies.

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FARMERS WILL RAISE 13 per cent more spring pigs, 16 per cent more pullets, 6 per cent more broilers, and 15 per cent more turkeys in 1949, estimates an American Feed Manufacturers Association committee.

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IOWA CREAMERIES Association—meeting in Des Moines last month—re-elected Julius Brunner, Osage, as president. Others named were: Charles Thatcher, of West Bend, and B. Scholten, Hull, vice-presidents; W. I. Wasson, Brooklyn, secretary; Jack Dethmers, Garner, treasurer; John Quist, Ames, executive secretary. Francis Gibson, Ossian, was named president of the Iowa Creamery Operators Association.

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FEEDER CATTLE buying in the first three months of the 1948 season (July-September) was just about the same as in 1947 for eight corn belt states. But figures still are to come for the two heaviest buying months (October-November).

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PROF. J. C. CUNNINGHAM, Iowa State College staff member since 1911, died at Ames last month. He was best known as head of the two-year practical farm management course formerly offered at ISC.

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FARM OPERATING expenses have doubled since before the war, but farm income has climbed even more, says the USDA. In the corn belt, operating costs ate up 41 cents of each gross income dollar in 1948, but only 27 cents in 1947.

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THREE IOWANS are among the 25 farmers who will leave New York November 15, for a month's visit to France, England, Denmark, Holland, Belgium, Luxemburg, Switzerland and Italy. The trip is sponsored by Station WOW, Omaha.

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Under a New Law!

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Editorial Department, Des Moines, Iowa.

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6 Cows With Calves — 34 Bred Cows
13 Open Heifers — 13 Heifer Calves
4 Bull Calves — 1 Herd Bull

We have sold our farm, hence our Registered Herd will be sold to highest bidder. An opportunity to start a New Herd or increase the breeding cattle in your present herd. We feature the progeny of **MEEK RANCH ENVIOUS ERICA 2d** . . . a 3-year-old tried and proven. A son of Envious Blackcap W. 6th. Dam by Excelsior Marshall 25th. Yearling heifers by him, cows sell mated to him. He sells, a tried and proven sire. We used another bull, **BLACKBIRD'S PRIZEMERE L. 2d**, a son of Prizemere 387th. Some females carry his service. The families are **MAID OF BUMMER, BALLINDALLOCH BLACKBIRD, McHENRY BLACKCAP, QUEEN MOTHERS, PRIDES, BLACKBIRDS** and **ERICAS**. Good breeding. Cattle sold in practical breeding condition . . . just right for the prospective buyers. Remember, a **DISPERSION** offers bargains. Plan to attend. Ask for **FREE** catalog. Please mention this publication. Address either

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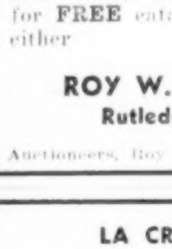
announce



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10 High Quality Bulls — 50 Females

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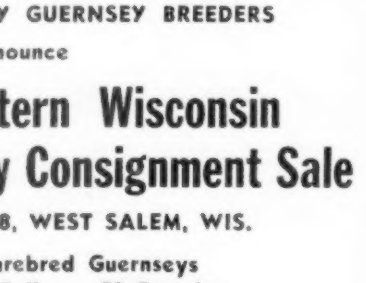


ORIENT, IOWA
NOVEMBER 8, 1:00 P. M.

30 TOP BOARS
25 CHOICE GILTS

We want you to take advantage of this, the last sale of the fall season, to secure your herd boar or some choice gilts. This offering consists of all my tops sired by **REAL TYPE**, top boar in the Bunting sale last fall; **THE DUKE**, one of the tops from the Clausen sale; 13 by **SKIPPY**, the Iowa grand champion boar; 2 boars by the 1947 Minnesota grand champion, **BREEDER'S KING**, he by **SUPERSWEET**, the Minnesota grand champion boar; also 5 head by **SONNY BOY**. A truly outstanding offering. Be sure to attend. Write at once for free catalog and kindly mention this paper. Address

FORREST GREEN, ORIENT, IOWA

Chas. Taylor, Auctioneer — M. T. White, Fieldman

—START SAVING NOW THE EASY U. S. SECURITY BOND WAY—

LIVESTOCK NEWS

The Angus dispersion of the herd of F. W. Whitehead, at Kahoka, Mo., October 14, under the able management of Dick Hahne, was a real success. It was a good herd of richly-bred cattle. The top was Blackcap Bessie W. 2d, selling at $7,400 to Myron Baker, Kahoka, Mo. Blackcap Bessie W. 5th, a daughter of Prince Eric of Sunbeam, sold for $5,400 to Johnstone Bros., Galva, Ill. Blackcap Bessie W. 3d went for $5,000 to H. Ward Benson, Milton, Iowa. Her April heifer calf brought $2,050, and was selected by C. L. Johnson, St. Charles, Ill. Blackcap Bessie W. 8th sold for $3,300 to Ess-Kaw Farm, East Aurora, N. Y. Blackcap Bessie W. 16th went to George Stoerger, Monticello, Ill., at $3,000. The herd bull, Prince Sunbeam 246th, sold for $3,500 to R. A. Rafferty, Morocco, Ind. Elleenmere Bertram brought $1,675, and went to Everett Glasgow, Monticello, Ill. Black Grenadier 100th was selected by H. Ward Benson, Milton, Iowa, at $1,100. C. D. Spear, Indianola, Iowa, paid $1,000 for Prince Sunbeam W. 6th. The 56 females averaged $1,320, with 13 bulls at $1,096 each, and the 69 lots sold for $88,110, a general average of $1,274. The cattle went to buyers in eight states, namely, Iowa, Illinois, Missouri, Kansas, Indiana, Texas, Washington and New York.

The Iowa Polled Shorthorn Club, Inc., show and sale, Des Moines, Iowa, October 11, under the able management of Earl S. Girton, was very successful. Walter Larson, Carrington, N. D., made the awards in an able manner. The champion bull was Red Oak Scout, owned by R. E. Phillips, and sold at $1,050 to John Kroeck, Lexington, Mo. Reserve champion was an Earl S. Girton bull, Aluma Calypso, by Aluna Lord Collynie, and sold for $750 to Anthony & Zenz, Lancaster, Wis. Aluma Referee, by the same sire, went for $625 to Dick Vallinga, Tapen, N. D. Aluma Emperor brought $600. Red Oak Imperial sold for $575. Cloverdale Supreme, from the farm of R. L. Flamme, was the favorite in many and sold for $700 to O. Dean, Eldon, Iowa. The champion female was Cloverdale Autumn Lady 3d, a Flamme entry, by Cumnet Inspiration, and sold for $550 to Hiway Farm, Carrington, N. D. She was named the supreme champion of the entire show. The Flamme entries by the same sire were most uniform in style and merit. The reserve champion was Princess Royal 5th, a Flamme entry, selling at $400 to Dick Vallinga. Roan Rosebud, from the Geo. E. Smith farm, sold for $500. The 23 bulls averaged $469, with 29 females at $323 each, and the 52 lots at a general average of $383. This is the best sale the association has ever made. Auctioneer, J. E. Halsey. At the banquet and meeting, the night before the sale, R. L. Flamme was named president of the club; Minor Blume, vice-president, and Earl S. Girton, secretary.

The Shorthorn sale of S. S. Davis & Son, Wadena, Iowa; Fred Rothlisberger & Son, Elgin, Iowa, and H. E. Whitford & Sons, Volga, Iowa, at Whitford Farm, October 13, was held on a beautiful day, and they drew a good crowd from Iowa, Minnesota and Illinois. The cattle were well bred, a practical lot selling in breeding form. The herd bull, Mastermade, a five-year-old, sold for $480. Goldfinder Model went at $445 to Joe Mahoney, of Coggon, Iowa. Cedar Wood Prince 4th, by Prince William 6th, a calf 12 months old, sold for $370. Volgavale Victor went at $400 to Irwin Walter, of Guttenberg, Iowa. Cedar Golden King brought $350, and went to W. H. Morgan & Son, Stanley, Iowa. The top female was Volgavale Augusta 4th, selling for $425. Duchess of Gloster A. 4th brought $440. Lavender Rose 20th sold for $410, and Lavender Pride 22d for $400. Lavender Lady was selected by A. W. Hagerty, Rochester, Minn., at $305. The 42 females, including several young heifers, some only 10 months old, averaged $280, with 10 bulls at $363 each and the 52 lots at a general average of $300. The 16 4-H Club calves averaged $169 each. All cattle went to Iowa buyers, except four which went to Minnesota. Auctioneer, J. E. Halsey.

The Interstate Aberdeen Angus sale, at Sioux City, Iowa, on October 13, drew a large crowd of buyers from different sections of the country, and the result was one of the best sales of the year. Thirty-five head of bulls made an average of $517 per head. The top bull was Elinor C. 2d, owned by George and Duane Clark, Worthing, S. D., and he was taken by Joe Andrews, Andrews, Neb., at $1,200. No. 35, from the Johnson Bros. herd at Ida Grove, Iowa, went to Leo Lake & Son, Orient, Iowa, at $750. No. 14, from the Elkmere Bros. herd, at Pipestone, Minn., went to M. Vernon Dairy, Rippey, Iowa, at $875. No. 22, from the Dwight M. Garner herd, went to John Weston, Springfield, Neb., at $725. No. 30, from the Walter Griesse herd, went to Fred Weaver, Mapleton, Minn., at $600. These were the tops of the bulls in this sale. Thirty-one females made an average of $429, the top being the champion cow, Queen of Ida 2d, owned by Bob Johnson, and she went to Henry Bauer, Kingsley, Iowa, at $1,250. No. 41, consigned by the same breeder, and one of the best bulls in the sale, went to Adolph Buman, Danbury, Iowa, at $1,000. It was a splendid offering of Angus cattle, and was probably the best sale this association has ever made. Pete Pratt, their hustling secretary, had everything in readiness for a good sale, and they had that. Cols. Roy J. Johnson and Ray Simms did the selling.

The combination Hereford sale at Creston, Iowa, on October 12, was well attended, and a lot of good cattle were offered. Those that were in good condition sold well, but buyers were a little pinchy on the cattle that did not carry enough flesh. The 10 bulls — and these were all young bulls—made an average of $367. The top bull was No. 3, a son of WHR Cardinal 56th, consigned by Ted Hayden, and he went to E. C. Rope, Clarinda, Iowa, at $780. No. 1, consigned by the same breeder, went to Wayne Sheriff, Orient, Iowa, at $700. No. 2 went to Watts & Thomas, Pacific Junction, Iowa, at $455. No. 6 went to Anker Kiels & Son, Baldwin, Iowa, at $2... The top on females was on Iowa Domineta 8th, consigned by Ira Reed, and she went to S. P. Peakin, Colo, Iowa, at $445. A number of heifers in the sale brought $300 and better each. Col. H. L. Hull, of Des Moines, did the selling, and worked hard to make the sale a success.

The B. F. Anderson & Son sale of Poland Chinas, at their farm south of Manning, Iowa, on October 14, attracted a large crowd of breeders from different sections of the country, and they sold 47 head of boars at an average of $170. This firm certainly sold a grand, good lot of boars, and they were in nice condition. It was really one of the best sales of the fall season. The top of the sale was No. 2, a son of old Combination, and he was out of Royal Sue, by Conversion. He is one of the best young boars that has been sold this fall. He went to Dr. R. H. McNamara, Crofton, Neb., at $1,000. His litter-mate, No. 1, went to Wm. Arneson, West Liberty, Iowa, at $325. No. 3, another litter-mate, went to Adolph Buman, Danbury, Iowa, at $175, and No. 4 brought $235. T. J. Ehrman, Atlantic, Iowa, took No. 34 at $250, and No. 35 went to C. L. Clark & Son, Leclair, Mo., at $350. It was a good sale, and the buyers got their money's worth. Col. H. S. Duncan was the auctioneer in charge, and did a nice piece of work.

The Duroc sale of Gilbert Langemeier and J. S. Golder, at Fremont, Neb., on the night of October 15, was well attended, and they sold 48 head at an average of $120 per head. Thirty-seven boars averaged $125.50, the top being No. 38, bred by Mr. Golder, and he went to George Meyer, Hooper, Neb., at $265. No. 29 went to Arthur Greene at $200. They sold 11 sows at an average of $102.50, the top being No. 10, bred by Mr. Langemeier, and she went to George Fritzen, Albion, Neb., at $145. These breeders put up a very nice offering, both on boars and on sows, and the animals were appreciated by the buyers present. Col. H. J. McMurray was the auctioneer in charge of the sale.

The Shorthorn dispersion of Fred Bietz, Dodgeville, Wis., October 12, under the able management of Hal Longley, brought out a good attendance. The top bull was Hiland Royal Leader 7th, and he sold for $635 to Wm. Schloesser, Lancaster, Wis. Helen's Royal Leader was selected by James Bros., Stanley, Iowa, at $600. The top female was Hiland Augusta R. 2d and bull calf, which sold for $710 to John Leakes, Kirkland, Ind. The 12 bulls averaged $431, with 49 females at $367 each, and the 61 lots brought $23,120, a general average of $380. Auctioneer, J. E. Halsey.

The Ernest L. McDermott Duroc Jersey sale, on his farm near Anita, Iowa, on October 7, encountered the worst weather of the season. It rained all day, but he went on and sold 20 gilts at an average of $96.25, and 22 boars at an average of $81.36. John Thompson, Lake City, Iowa, took the top gilt, No. 5, at $180, and Tommy Smith, Paton, Iowa, secured No. 7 at $175 and No. 6 at $160. It was a nice offering and the animals were in nice condition, but the weather did not help the sale any. Colonels McMurray and Goody were the auctioneers.

The C. W. Crees Poland China sale, at his farm south of Bayard, Iowa, on October 5, brought out a nice crowd of buyers, and he sold 18 boars at an average of $107.91 per head and 20 sows at an average of $103.30. The top boar was No. 27, and he went to Wayne Roberson, Angus, Iowa, at $200. The 20 sows and gilts averaged $103.30, with a top of $250 on a sow and litter of nine pigs. Another sow went to Harry Perry, Mason City, Iowa, at $200, and another sow to Arch E. Moore, Bayard, Iowa, at $165. Mr. Crees had a nice offering and they were in nice condition. ... Stevens did the auction work on the block, with Frank Iribeck in the ring. The Crees herd is one of the oldest herds of Poland Chinas in the state, and one of the best.

LIVESTOCK NEWS

The best sale ever held by the Creston Hereford Breeders took place at Orient, Iowa, on October 22, when they sold 29 bulls at an average of $346 per head, the top of which was Real's Type 23d, a June yearling consigned by Chas. Wimmer, Afton, Iowa, and he went to Emory Fredrickson, Elk Horn, Iowa, at $800. There were several breeders bidding on this bull up to the last, but it finally resulted in a battle between John Block, Worthington, Minn., and Mr. Frederickson, and the latter breeder got him at $800. Mr. Wimmer also sold No. 46, Real's Type 29th, to Maurice and Marcella Cobb, of Alberton, Iowa, at $550, and No. 48 to Felix Pottorff, Hatfield, Mo., at $425. Silver Prince, a May yearling, bred by Alva Chandler, went to J. M. McGreer, Red Oak, Iowa, at $640, and Super Rupert to Kenneth Michael, Jr., Clemmons, Iowa, at $600. Real Prince D. 324, consigned by Chas. Borer, went to Wilbur Faris, Mt. Ayr, Iowa, at $400. Rupert Domino, consigned by Floyd H. Woods & Sons, went to Pete Kelley, Creston, Iowa, at $410. Royal Star Lad, consigned by Wayne Shorter, was taken by F. D. Bechtel, Lenox, Iowa, at $525, and Rupert K. 24 went to Wm. Morgan, Wiota, Iowa, at $380. J. E. Cipra sold Advance Domino to Ernest Samons, Cromwell, Iowa, at $320. The 46 females made an average of $229.88. Floyd Crinigan, Coon Rapids, Iowa, was the heaviest buyer in the sale, taking several cows and heifers and a number of bulls. These cattle were in nice condition and brought good money. Fred Chandler was the auctioneer.

The Hawkeye Holstein Breeders Fall Classic, held at the Dairy Cattle Congress grounds, Waterloo, Iowa, October 18, proved most successful. Alfred M. Paper & Son, Stockton, Iowa, consigned the high-selling female. Robert L. Carson, Iowa City, Iowa, paid $660 for this good daughter of Illiana Bessie Ollie Denver. Robert Boening & Son, St. Ansgar, Iowa, paid $615 for the Herbert W. Malven, Maynard, Iowa, entry. Elmer Becker, of Watkins, Iowa, gave $610 for the coming two-year-old heifer, a daughter of Hope View Forbes Aspirant, consigned by Roy Flaster, Eldora, Iowa. Maytag Dairy Farms, Newton, Iowa, consigned the two top selling bulls, both sons of Sir Bessie Ormsby Deon. They sold for $510 to Wayne Clausen, Grand Mound, Iowa, and for $505 to Chauncey D. Bryant, LaMotte, Iowa. The 40 cows averaged $448 and the 15 bulls averaged $287. Feature of the sale was the 17 heifer calves donated by various Holstein breeders thruout the state for the purpose of starting the Paul P. Stewart Memorial. The proceeds from the sale of these heifer calves will go toward a scholarship fund to be administered by Iowa State College. It is planned that in future sales other heifer calves will be sold to add to this memorial fund. The 17 calves sold for a total of $2,115, or an average of $183. Robert L. Carson, Iowa City, Iowa, purchased the high-selling calf at $230, she being donated to the fund by Spies & Lein, Graettinger, Iowa. Nels Kraschel sold the entire offering.

The Minnesota Shorthorn Breeders show and sale was held at Redwood Falls, Minn., October 19. Norman T. Findahl, Waterville, Minn., the association's congenial secretary, had the pre-sale arrangements well planned. Charles McCarthy, Madelia, Minn., judge of the show, found strong classes thruout. Einar Jackson, Degraff, Minn., paid $550 for the champion bull of the show. This typy white yearling is a son of Edellyn Missouri Mercury, consigned by Otto V. Hanson & Son, Walnut Grove, Minn. A roan two-year-old by Edak Royal Type, consigned by H. A. Kraft, Cottrell, Minn., was named reserve champion bull, and went to Carl Joss, Morris, Minn., for $600. Norman Findahl consigned the high-selling bull, a dark roan two-year-old by Allen Field Marshal, selling for $750 to Gil Hoag, Arcadia, Wis. Champion female was a good daughter of Weston Trademark, consigned by Fred Lee, Britton, S. D., which sold for $460 to Ed Johnson, Breckenridge, Minn. Reserve champion heifer also sold to Ed Johnson for $400, she being consigned by Edward Janssen, Worthington, Minn. A five-year-old roan cow, with a good calf at side, consigned by Pennco Farms, Breckenridge, Minn., sold for $485 to Harold Munns, Wahpeton, Minn. The 20 bulls sold for an average of $375, with the 23 females averaging $222, making a general average of $251 on the 43 lots. J. E. Halsey was the auctioneer.

The Sioux Empire Polled Shorthorn show and sale, held at Sioux Falls, S. D., October 5, was well attended. As usual, John P. White, the association's capable secretary, had the arrangements well planned, and the judging and sale moved along rapidly. Much interest was shown in the judging, which found the roan heifer by Village Type, consigned by Minn. O. Blum, Terril, Iowa, named as the supreme champion of the show and the winner of the F. W. Weatherwax award. This thick, deep-bodied heifer was the grand champion female and sold for $625 to Bert A. Hansen, Vernon Center, Minn. Walter Larsen, Carrington, N. D., paid $550 for the reserve champion female, a coming two-year-old red heifer by Superb Monarch, consigned by A. Lopau & Sons, Pipestone, Minn. The two-year-old dark red bull consigned by Lopau was named grand champion. W. D. Morrison, Clear Water, Neb., paid $800 for this outstanding prospect, also sired by Superb Monarch. A thick roan son of Village Type, consigned by J. T. Ferguson & Son, Laurens, Iowa, won the reserve championship. McLoughlin & Hagenbuch, Davis, S. D., paid $700 for this impressive calf. Julius M. Hanson, Murdock, Minn., consigned the high-selling bull. M. A. Elkmeier, of Pipestone, Minn., gave $825 for this red yearling, a son of Simon Lake Loyal. Paul Nilges, Atlantic, Iowa, paid $800 for the red son of Village Bud, consigned by McLaughlin & Hagenbuch. The 21 bulls sold for an average of $465, with the 29 females averaging $302, making a general average of $387 on the 60 lots. J. E. Halsey, Des Moines, Iowa, sold the offering.

A very large crowd of interested spectators and buyers gathered at the Cherokee, Iowa, sales pavilion on the afternoon of October 9 for the purebred Shorthorn Club calf sale. Otto Thiede & Sons, Burton, Neb., were the owners and breeders of the calves, and Harry Dewar, Cherokee, Iowa, managed the sale and served as auctioneer. Top price on the club steers was reached when Bernard Larson, Otho, Iowa, paid $365 for an exceptionally short-legged, deep, thick, light roan calf. He purchased another outstanding prospect for $310. Bernard Larson was no stranger to the Thiede firm, as he had recently fed a winning champion purchased from this herd. Eugene Slame, Callender, Iowa, another old customer and feeder of a winning steer from the Thiede herd, purchased two very choice calves for $325 and $315. Ronald Kellog, Colo, Iowa, paid $305 for a likely prospect. Robert Bath drove over from Auburn, Neb., to purchase a calf for $255, as he, too, had fed out a winner from the Thiede herd. Thirty-seven steer calves sold for an average of $197. Ten purebred heifer calves sold for an average of $169.

The annual fall sale of Shorthorn cattle at Abingdon, Ill., October 22, under the able management of Hal Longley, where 92 lots were sold, was another successful sale. Many farmers were in the field—hence, buyers secured excellent values. The top bull, Ringwell Bonnie Heir, sold for $900 to Howard Snyder, Waynetown, Ind. Sunset Goldfinder went at $850 to Nile Reed, Blandinsville, Ill. Ringwell Super Heir brought $760, and was secured by Ben Kallal, Jerseyville, Ill. W. J. Impression 10th, the W. C. Anderson bull, was the favorite of many, and fell to the bid of Ray Butler, Malta, Ill., at $700. The first 10 bulls averaged $525, with the first 20 bulls at $460 each. The top female was Hawthorne Maid 5th, from Oakdale Farm, and brought $800, going to Lewis Airaman, Stanford, Ill. The next, an Anderson entry, could have topped the sale—Rosewood 131st and heifer calf going at $675 to Carl Frick, of Stockton, Iowa. Raven Secret Ethel sold for $660 to Harold Bawn, Good Hope, Ill. The 38 bulls made $379 each, with 56 females at $340 each and the 92 lots (two average sale offerings) sold for $32,380, a general average of $352. They went to buyers in Iowa, Wisconsin, Missouri, Illinois and Indiana. J. E. Halsey was the auctioneer.

Blue Ribbon Farm, owned by Robert Lockridge, Fairbank, Iowa, held its annual Chester White sale at Independence, Iowa, the night of October 6. Smith & Elwart, Indianola, Iowa, topped the sale by paying $285 for Lot 25, an outstanding son of White Gold. Bill Lang, Lathrop, Calif., took the Lot 1 boar, another son of White Gold, at the $275 figure. Charles Harrington, DeWitt, Iowa, paid $225 for a litter-mate to the top-selling boar. Harold Miller, Janesville, Iowa, paid the top prices on the spring gilts, giving $145 and $135 for daughters of Gold Medal 3nd White Gold. The 51 boars averaged $104 and the 16 gilts averaged $72. Tom Sherlock, auctioneer.

C. T. Keen & Sons, Legrand, Iowa, enjoyed a fairly good attendance for their annual Chester White sale, held on the rainy afternoon of October 6. A. J. Prescott, Fairfieville, Neb., paid the top price on boars, $325, for Lot 2, a son of Spot Light. Frank Behounek, Tama, Iowa, gave $210 for an exceptionally good pig sired by Champ's Successor. Paulson Bros., Grundy Center, Iowa, took the top of the boars sired by Iowa Chief for $175. Charles Harrington, DeWitt, Iowa, paid the top of $185 on gilts. Carl Stienfeldt, Elkora, Iowa, gave $180 for a daughter of Iowa Chief. The 32 boars sold for an average of $130 and the 11 gilts averaged $125. C. C. Mason, auctioneer.

The Hampshire sale of Frantz Bros., of Grand Junction, Iowa, October 11, was very successful. Lot 1 sold for $2,525 to Nelley Farms, Deer Creek, Ill. Lot 40-A went to $700 to Wm. Wittman & Sons, Lake Lillian, Minn. The top gilt, Lot 28, sold for $255 to Allen Lang & Son, of Brooklyn, Iowa. The 41 boars averaged $204.46, with 43 gilts at $114 each.

ANGUS DISPERSION

In Sale Pavilion

Maryville, Missouri

MONDAY, NOVEMBER 15

80 Head Richly-Bred Cattle

The fine herd of **S. H. STANDLEY & SON,** Angus Hill Stock Farm, **GENTRY,** Missouri, will be dispersed on the above date. This excellent herd of well-bred cattle was established in **1925** with top females and they have always used great herd sires, hence you can buy the results of **23** years of constructive breeding in this auction. The present herd bull is **ERIC REVOLUTION H.,** a son of Revolution Bell Boy by Glencarnock Revolution 6th, the great show and breeding sire. His Dam was Burgo Enterprise Girl, a daughter of Burgomaster 6th by Jahn Eric. You can find much of his progeny in this sale which will be evidence of his worth as a sire. He is selling, a choice tried and proven sire for someone. The offering of **80** lots include the entire herd, among which will be foundation cows, many with big lusty calves, others close to calving and excellent bred cows and heifers and some attractive open heifers. Remember, **A DISPERSION** always offers bargains . . . you secure the cream of the crop. A place to secure good dependable well-bred females. Blood lines that have been tried and tested . . . the most profitable sort. Make plans now to attend. Ask for **FREE** catalog. Please mention this publication. Address either

S. H. STANLEY & SON, GENTRY, MISSOURI

HARRY SHEETS, Sale Mgr., EAGLEVILLE, MISSOURI

Auctioneer, Ray Johnston M. T. White, Fieldman

ATTEND

Circle A's International

FALL SALE

FRIDAY, NOVEMBER 26, 1948

SELLING 50 FASHIONABLY BRED HEREFORDS

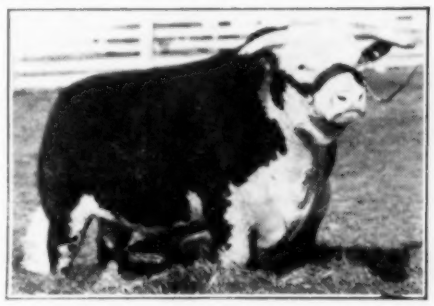
10 HERD SIRE PROSPECTS

40 TOP HEIFERS BRED TO CHAMPIONS

+

LOT 1

Pictured at the right is WHR Proud Mixer C. This outstanding son of the immortal WHR Princeps Mixer is being offered in this Sale in line with CIRCLE A's policy of offering a proven herd sire. Fourteen of the get of this great herd sire are also in CIRCLE A's Sale. One of them, CA Lady Mixer 1st, selling as Lot 2, was the Illinois Champion in 1948.



WHR PROUD MIXER C

+

LOT X

CA VALIANT STAR 38th

Pictured to the left is CA Valiant Star 38th, the last son of the $7,000 Valiant Star Bull. CA Valiant Star 38th has been in our Show String since calfhood, and he is easily one of the top herd sire prospects that will be offered at public auction this year.

CIRCLE A is offering 10 herd bull prospects and 40 top heifers in this Sale. Many of the heifers are bred to CIRCLE A's popular Champion Bulls, WHR True Molder and WHR Citation. We feel that the Hereford breeder will find CIRCLE A's International Fall Sale an outstanding event and that the offerings in this Sale are of exceptional merit.

A. W. THOMPSON, CHARLES CORKLE, AUCTIONEERS

CATALOG FREE UPON REQUEST

CIRCLE A HEREFORD FARM

MORRIS, ILLINOIS

Advertisement

From where I sit ... *by* Joe Marsh

One Great American Trait

I always think it does a newspaper editor good to get out from behind his desk and see how folks in other parts of America look, and think, and act.

And that's what I've been doing these past weeks, touring the country from Michigan to Texas, California to Maine. It's an encouraging experience. Not only because of the different points of view you run into—but because of the *tolerance* which reconciles those points of view.

I mean the tolerance of a Pennsylvania farmer for the habits of his city cousin; the tolerance of folks who vote one way towards those who vote another; the tolerance of those who prefer spring water towards those who enjoy a moderate beverage like beer.

From where I sit, it's that great American trait of tolerance—respect for individual tastes and liberties—that makes this country strong. Let's never lose it!

Joe Marsh

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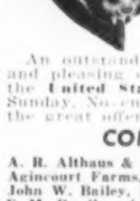
"SHOW WINDOW" SALE

Aberdeen-Angus Cattle



(Stock Yards Sale Pavilion)

AT INTERNATIONAL — CHICAGO, ILLINOIS

Thursday, December 2nd

80 Head—20 Top Bulls, 60 Choice Females

An outstanding lot of cattle, rich in pedigree displaying modern type and pleasing quality. They have been drawn from the leading herds of the **United States** and **Canada**. All cattle will be judged at 10:00 a.m., Sunday, November 28th, and the 20 top bulls and 60 best females make up the great offering.

CONSIGNORS TO "SHOW WINDOW" SALE

A. R. Althaus & Son, LaMoille, Illinois
Agincourt Farms, Unionville, Ontario
John W. Bailey, Marshalltown, Iowa
F. M. Bradley, Avon, Illinois
Ben Casebier, & Sons, Buffalo Heart, Ill.
Merrill S. Castle, Morton, Illinois
Cold Saturday Farm, Finksburg, Maryland
Dee-L-Vee Farms, Eden, New York
Don Head Farms, Ltd., Richmond Hill, Ont.
H. Douglas & Victor Wyant, Berrien Center, Michigan
Mr. & Mrs. R. A. Dye, Princeton, Illinois
Ferndale Ranch, Santa Paula, California
W. F. Fishback, Versailles, Kentucky
Gauger Bros., Clear Lake, South Dakota
Great Oaks Farms, Rochester, Michigan
Greenmere Farms, Oaktown, Indiana
W. A. Hopley Farms, Atlantic, Iowa
C. M. Jensen & Son, Flanagan, Illinois
Lyman Kemmis & Sons, Prophetstown, Ill.
Don Koenighain, Williamsburg, Iowa
Virginia McCarl, Payson, Illinois
J. C. McLean, Quincy, Illinois
H. B. Moore, Jr., Lewisburg, W. Virginia
Oklahoma A. & M. College, Stillwater, Oklahoma
Penney & James, Hamilton, Missouri
Pioneer Coal Co., Walker, Missouri
Reverie Knoll Farm, Danville, Kentucky
Charles M. Rundles, El Paso, Illinois
Southside Stock Farm, Rockbridge, Illinois
Springhaven Farm, Evansville, Indiana
George Stoeger, Monticello, Illinois
Ben G. Studer, Wesley, Iowa
J. Garret Tolan, Pleasant Plaines, Illinois
Tyrconnel Farm, Knoxville, Maryland
West Woodlawn Farm, Creston, Illinois
H. C. Yelton, Hot Springs, Arkansas
White Gates Farm, Flanders, New Jersey

An opportunity to make profitable and admirable selections of cattle of most approved type. You can find your herd bull here or females of foundation character. Plan to attend. Ask for FREE illustrated catalog. Please mention this publication. Address

Frank Richards, Secretary, Chicago 9, Illinois
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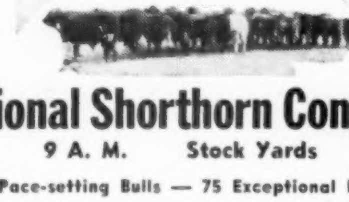
AMERICAN ABERDEEN-ANGUS ASSOCIATION



International Shorthorn Congress Sale

WED., DEC 1 9 A. M. Stock Yards CHICAGO, ILL.

50 Pace-setting Bulls — 75 Exceptional Females

The beef breed with greatest weight for age and earliest maturity!

Buyers get herd leaders annually at the International Shorthorn sale because they have found the dependability of the offering always exceeds their expectations. This year's consignment tops them all—animals from leading herds from Virginia to California, from Canada to Oklahoma, including champions at this season's current state fairs and a great galaxy of prospective champions, all with sought-after breeding. Sale cattle will be placed for sale order, Sunday morning, November 28, judged in breed competition by the great Argentine judge, Enrique Santamarina, beginning Monday, and offered to buyers on Wednesday.

DON'T MISS THE 1948 CONGRESS! WRITE FOR CATALOG

Ask about our FREE FREIGHT OFFER. Make hotel reservations through this office before November 15. Mail orders handled at no commission cost.

AMERICAN SHORTHORN BREEDERS' ASS'N
CLINTON K. TOMSON, Secy. Dept. 650 U. S. Yards, CHICAGO 9, ILLINOIS

LIVESTOCK NEWS

The annual Hereford sale of Wiese Bros. and neighbors, Donahue, Iowa, September 29, brought a good crowd, and breeders presented a good offering. Most of the cattle were young and sold in just good, thrifty breeding form. The top bull, Domino Lee, was owned by Earl McGinnis. He sold for $500 to Fred Spickerman, New Liberty, Iowa. Election Donation 9th, from the Lyman Meyer farm, went at $435 to Lewis Duge, Stockton, Iowa. H. Real Domino 20th, an Earl J. Harring entry, sold for $400 to Carl Lineburg, Long Grove, Iowa. Real Bruce D. G. 10th, owned by Walter Griep, went at $475 to M. H. Tobin, also of Long Grove. R. A. Real Bruce 3d, from the Roy Wiese farm, sold for $400 to Plattville Teachers College, Platteville, Wis. Real Domino 6th, owned by Elmer T. Wiese & Sons, brought $400, going to John Moeller, of Volga, Iowa. The top female, Miss Advance, owned by Roy Wiese, sold for $450 to Elmer Enger, Donahue, Iowa. Susie Dommik went to Elmer Enger at $450, and R. B. Miss Domino was secured by Wm. Mayerhofer, New Liberty, Iowa. Betty B. Domino brought $400, and was purchased by H. L. Smith, DeWitt, Iowa. The 27 females averaged $310 and the 18 bulls $364, with the 45 lots, mostly young cattle, making a general average of $331. All but three went to Iowa buyers—one to Wisconsin and two to Illinois. Auctioneer, J. E. Halsey.

The Angus dispersion of Johnstone Bros., Galva, Ill., September 24, under the able direction of Hugh McWhorter, brought out a very large crowd. They sold a good herd of well-bred cattle. Many cows hid big, fine calves at foot. The top female was Miss Georgina 34th, and sold for $1,525 to E. Bailor & Sons, of Cropsie, Ill. Miss Georgina 29th went for $800 to Eaton Bros., Zearing, Ill. Blackcap Fandie T. 10th and heifer calf brought $850, and were purchased by Huston & White, Fairview, Ill. The herd bull, Eileenmere 610th, a five-year-old son of Eileenmere 85th, sold for $1,300 to Heck & Fasett, Alexis, Ill. Black Prince 150th, his three-year-old son, brought $905, and was secured by Maryville Farms, Kirksville, Ill. The 11 bulls averaged $501, with 58 females, including the calves, at $511 each, and the 69 lots sold for $35,150, general average of $509. They were distributed as follows: Iowa 21, Illinois 47 and Missouri 1.

The Shorthorn dispersion of Fred Gugisburg, Renwick, Iowa, plus a strong draft from the P. A. Rasmussen & Sons herd, Goldfield, Iowa, attracted a very large attendance from several states. The sale was held at Humboldt, Iowa, September 22, with Sale Manager Mervin Aegerter, Seward, Neb., having the arrangements well planned. E. W. Smykel, Cedar Rapids, Iowa, paid the high price in the bull division by taking Lot 1, Marine Mercury 19th, by Edellyn Marine Mercury, at $660. Ray Mitchell, Charles City, Iowa, paid $500 for Marine Mercury 31st. E. K. Reynolds, of Walla Walla, Wash., purchased a total of six bulls and two females. The top on females was reached when Edellyn Farms, of Wilson, Ill., paid $925 for the show heifer, Rosemary Maid 4th, by Edellyn Marine Mercury. Ross Long, Grundy Center, Iowa, paid $780 for Augusta 11th, a daughter of Oakbrook Sovereign, carrying the service of Edellyn Royal Leader 29th. Henry Rathouz, Callender, Iowa, paid $695 for Doris 2d, a daughter of Edellyn Marine Mercury, carrying the service of Edellyn Royal Leader 29th. The 12 bulls averaged $363 and the 41 females averaged $427. Arthur K. Jones, Des Moines, Iowa, purchased 10 females. The cattle sold into Iowa, Nebraska, Minnesota and Washington. J. E. Halsey sold the offering.

The Missouri Shorthorn sale, at Chillicothe, Mo., September 28, under the management of Merv. Aegerter, brought out a very good attendance. The champion female, owned by R. C. Boeger, sold for $495 to Ted W. Miles, Corydon, Iowa. Royal Countess, reserve champion, owned by Albert B. Dunham, brought $700, and went to Leonard Wade, Fulton, Mo. The champion bull, Field Marshall Candidate, from the Boeger herd, sold for $600 to Joe Duncan, Cameron, Mo. Montgomery Control, from the J. L. Hertzler farm, was reserve champion, and sold for $600 to Otto Sandfort, St. Charles, Mo. The 15 bulls averaged $366, with 29 females at $334 and the 44 lots at a general average of $344. Auctioneer, J. E. Halsey.

The Hereford sale of C. H. Wooster & Sons, at Audubon, Iowa, on September 30, attracted a good crowd of breeders and farmers from the surrounding country, and it was one of the good sales of the fall season. Their cattle were in nice condition, but not loaded with fat, and they were appreciated by the buyers attending the sale. Twelve bulls were sold at an average of $328 per head, the top being Prince V. Mischief 1st, a November yearling sired by their old herd bull, Prince Mischief 62d, and he went to Vernon Anthony, West Side, Iowa, at $490. No. 8 went to E. G. Hansen, Hinton, Iowa, at $400, and No. 11 to Anderson Bros., Stanton, Iowa, at $285. Raymond Neitzel, Audubon, Iowa, took No. 10 at $300, and No. 77 went to F. M. Thomas, Missouri Valley, Iowa, at $[illegible]. In females, W. F. Hall & Son, Colo, Iowa, took No. 15 at $400, No. 16 at $295, No. 22 at $310, No. 26 at $300 and No. 33 at $310. No. 18 went to Dr. Jones, Audubon, Iowa, at $300, and No. 18 went to Fred Gerdeman at $405. The Freunds Farm, Defiance, Iowa, took No. 20 at $310 and No. 23 at $325. No. 27 went to Roy Schaal, Anita, Iowa, at $325, and No. 28 went to Chas. Kruise, Anita, Iowa, at $365. No. 32 went to Edwin Schawl, Anita, Iowa, at $305, and Paul Cruise, Anita, Iowa, took No. 35 at $335 and No. 38 at $[illegible]. V. R. Preston, Kingsley, Iowa, selected four nice young heifers at an average of $227 and four others at an average of $210. It was their first sale, and it was a nice sale. Col. Freddie Chandler was the auctioneer, assisted by Earl Garrette in the ring. The 38 head made an average of $297.

The Mercer County Angus sale, Aledo, Ill., September 23d, drew a very good crowd. They sold a good lot of cattle, and the better cattle should have brought more money. The top female, Bevan Maid of Greenview, went at $89[illegible] to Woods & Rust, LeRoy, Ill. Elbadina 113th of Greenview sold for $710 to John Morris, Chadwick, Ill. Georgina of Blau-Velt brought $660, and went to C. J. Armstrong, Little York, Ill. The top bull was Juana Joe of S. H. O., selling at $[illegible] to John Meyerholz, Morning Sun, Iowa. The eight bulls averaged $380, with 88 females at $342, and the 96 lots sold for $33,120, a general average of $345. All the cattle went to buyers in Iowa and Illinois.

The annual fall Shorthorn sale of Gilbert Kardel, Penningroth Bros. and Carlton A. Reed, held at the Kardel farm, Walcott, Iowa, October 6, brought out a fair attendance. The breeders presented some well-bred cattle, a few of which were not highly fitted, and those in attendance were conservative in their appraisal. The top bull of the sale was Reward's Leader, from the Kardel herd, selling at $660 to L. D. Carmichael, of Rochelle, Ill. P. F. Prince Pilot, from the Penningroth farm, was the favorite of many, and sold for $500 to Raymond Coffland, Watkins, Iowa. Romadon Marshall 10th, from the Reed herd, went at $165 to Alf Higgins, of Calamus, Iowa. Romadon Marshall 15th, another Reed entry, brought $140, and was secured by Henry Boettcher, Clarence, Iowa. Romadon Marshall sold at $410 to Mrs. Louise Conrad & Son, Lowden, Iowa. The top female was Rosewood 29th, a Kardel entry, going to Walter Brugman, Walcott, Iowa. The 15 bulls averaged $[illegible], the 25 females averaged $368, with the 40 lots making a general average of $[illegible]. Almost all of the cattle sold locally. Auctioneer, J. E. Halsey.

The Spotted Poland China sale of Miles M. Mann, at Woodbine, Iowa, on October 2, brought out a large gathering of breeders from several states, and he sold 48 head at an average of $102 per head. The top boar went to South Dakota at $2[illegible], and he was No. 44 of the catalog. No. 1 went to Palmer Johns, Exira, Iowa, at $240; No. 2 brought $135; No. 4, $155; No. 3, $130; No. 7, $135; No. 5, $125; No. 2[illegible], $120; No. 35, $115, and No. 6, $150, to Everett Pittman. It was an [illegible] lot of boars and in nice condition. Charles Taylor and Ron Martin were the auctioneers.

The O. W. Jones Hampshire sale, at Ute, Iowa, on October 7, brought out one of the largest crowds of the year, and he had one of the best sales of the season. He sold 47 boars at an average of $110. The top was No. 1, and he went to Roy Struve, Manning, Iowa, at $[illegible]. H. C. & J. H. Hoyt, Remsen, Iowa, took No. 4 at $235 and No. 71 at $230. No. [illegible] went to Fred Grigg, Lawton, Iowa, at $175, and No. 41 was purchased by L. E. Ludwig, of Lawton, Iowa, at $175. R. E. Baker, also of Lawton, Iowa, selected No. 21 at $190. Walter Jaacks, Denison, Iowa, bought No. 72 at $155. Fred Grigg got No. 16 at $165. These were just a few of the top selling boars in this sale, and the remainder sold from $72.50 up. Mr. Jones sold 66 gilts at an average of $78.30. His offering was in nice condition; the crowd seemed to like them, and took them rapidly. Col. Chas. Corkle cried the sale.

The Chester White sale of R. A. Ehmenschneider, Kingsley, Iowa, at Sunnycrest Farm, September 28, drew a large crowd from several states. The top was an extra Lot No. 0, selling at $2[illegible] to T. L. Bristol, Lake Crystal, Minn. Lot 1, a boar, went for $180 to Leonard [illegible]sen and Wayne Stoutenberg, Elk [illegible], S. D.; No. 2, Rufus O. Stephens, [illegible]rado, Kan., $165; No. 26, [illegible], Hornick, Iowa, $155; top gilt, No. [illegible], at Lloyd Mahnke, Pierson, Iowa, $[illegible]; No. 4, Gifford Anderson, Colon, [illegible]. The 40 boars averaged $112.[illegible]; the [illegible] gilts made $114 each, and the [illegible] sold at a general average of $112.[illegible]. Auctioneer, Clair Mason.

LIVESTOCK NEWS

The Wilbur W. Hodgen sale of Hereford cattle and Hampshire hogs, at Sioux City, Iowa, on October 18, was a decided success, and he made an average of $272 on his entire offering of cattle. Seven bulls made an average of $322 and his females averaged $253. The top for his Herefords was his herd bull, Don G. Blanchard 49th. This bull is four years old, and was sired by Jr. Don Blanchard. He is a splendid breeding bull and a good individual. He went to W. K. Taylor, Moorhead, Iowa, at $405. One of his sons went to Wm. French, Kingsley, Iowa, at $270; another went to Henry Decumin, Cleghorn, Iowa, at $270, and another went to the same man at $270. The top female was May's Model, a three-year-old cow with calf at foot, and she went to Albert Schreiber, Battle Creek, Iowa, at $370. G. K. Edelman, Webb, Iowa, got Lass Stanway at $365 and several other good cows in the sale. Banks Bros., Westfield, Iowa, took Maxine 2d at $350 and May's Model at $370. Emil Riemenschneider got May Stanway at $375. Maxine Stanway went to C. W. Samuelson, Webb, Iowa, at $300, and Stanway Nellie at $315. These were the tops in Mr. Hodgen's Hereford sale. His Hampshires were all taken at prices from $65 up to $140. Col. Fred Chandler was the auctioneer in charge of the sale.

Many states were represented at the ringside in the Holz Brothers sale of Scotch Shorthorns, held at the farm, near Grand Junction, Iowa, October 2. Gilbert Piffer, Indianola, Iowa, was invited to consign eight head, as his herd was founded along similar bloodlines. Earl Scholtz, King City, Mo., paid $1,015 for the good young roan bull, Golden Rule Monarch 4th, by Killearn Monarch 29th. Meyers Brothers, Carroll, Iowa, gave $750 for a red son of Killearn Norseman 3d. Lester Tomlinson & Son, Traer, Iowa, bought another son of Killearn Monarch 29th. Elvin Hebner, Jefferson, Iowa, paid $1,250 for Acanthus 87th, a choice daughter of Goldfinder Again, carrying the service of Killearn Monarch 29th. Malcom Frank, Union Star, Mo., gave $950 for the seven-year-old red cow, Princess Royal 2d, by Supreme Goldfinder. P. A. Rasmussen & Sons, Goldfield, Iowa, paid $925 for Golden Rule Princess, by Killearn Monarch 29th. Fred Watson, Bagley, Iowa, gave $850 for another of the good young daughters of Killearn Monarch 29th. The 11 bulls sold for an average of $521, with the 41 females averaging $500, making a general average of $507 on the 52 lots. J. E. Halsey turned in a fine job of selling the offering.

The Central Illinois Angus Breeders sale at Congerville, Ill., October 16, drew a good attendance. The top female was Erie Maid D. 8th, selling at $900 to Emil Eckley(?), Cropsey, Ill. Blackcap Bessie [illegible] 3d sold for $885 to Johnstone Bros., Dahinda(?), Ill. Blackcap Effie B. 9th went to Everett Glasgow, Monticello, Ill., at $825. The top bull, Eileenmere 26th of Edgewood(?), sold for $715 to Wm. P. Phillips, Toulon, Ill. The 50 females averaged $408, with seven bulls at $500 each, and the 57 lots sold for $23,910, a general average of $420. Following the breeding cattle, they sold 47 head of 1948 registered heifer calves, some of which were calved as late as May, 1948. The top was $600, another went at $450, and the 47 head averaged $[illegible] each. In the evening, 75 steer calves were sold, and they, too, were well received. Auctioneers, Hamilton James and J. E. Halsey.

The Nelson & Paulsen sale of Spotted Poland Chinas, at Blair, Neb., on Tuesday, September 28, brought out a large crowd from many sections of the country, and they sold 40 spring boars at an average of $177.12 per head and 15 spring gilts at an average of $123.66. The top of the sale was Boar No. 7, a son of the old boar, Modern Prince, and he went to C. W. Raasch, Jr., DeWitt, Mo., at $[illegible]. Luther Goldberg took No. 6 at $200, and C. H. Bentley, Oakland, Iowa, secured No. 30 at $290. Nelson & Paulsen had a great line-up of boars, probably the best they have ever sold. The top on gilts was $142.50, one going to Albert Hanson, Evan, Minn., and the other to D. F. Blanke, Bremen, Kan. It was most certainly a nice offering, and everybody was pleased with their purchases. Charlie Taylor and Ron Maglin did the selling.

Buyers attending the Walter M. Wellbrock(?), Stratford, Wis., Spotted Poland sale, held at Algona, Iowa, the night of October 20, found the quality very high for the moderate prices paid. Virgil Walters, Rock Port, Mo., purchased the high-selling boar, $370, a son of Broad Back, he being by Broadway. Donald Engh, Emmetsburg(?), Iowa, purchased a litter-mate boar to the Walters boar for $245. Vernon Weiss(?), Colfax, Ill., paid $200 for a good herd boar prospect. Weeks also paid $215 for a good fall boar. Paul Wode(?), Bode, Iowa, bought nine gilts, paying the high of $[illegible] for one. The 35 boars sold for an average of $160 and the 25 gilts averaged $[illegible]. Chas. Taylor, auctioneer.

Buyers attending the W. H. Heinke(?) & Sons Duroc sale, at their farm near Renwick, Iowa, October 23, found a uniform offering and received values far in excess of the moderate prices paid. Darrell Johnson, Sac City, Iowa, gave $270 for an exceptionally deep-bodied, thick boar sired by Progress. Theo. N. Samuelson, Comfrey, Minn., paid $200 for a good son of Smooth Leader. P. M. Christenson & Son, Lone Rock, Iowa, gave $190 for a good pig sired by Oakdale Royal Tops. Corwin C. Peer, Algona, Iowa, took a boar sired by Modern Designer at the $190 figure. Top gilt went to Geo. Mahhs, Greenwood, Neb., for $210, she being sired by Oakdale Royal Tops. The 30 boars averaged $120 and the 17 gilts $114. H. J. McMurray, auctioneer.

The second annual fall sale of the Northeast Missouri Angus Breeders, at Memphis, Mo., October 1, under the able direction of W. R. Dierks, secretary, brought out a good attendance. The top female was Juana of P. R., from the Earl E. Rogers herd, and sold for $800 to Leslie Oster, Webster, Iowa. Witch of Downing R. sold for $765 to W. R. Dierks, of Memphis, Mo., and Witch of Fairview brought $760, going to R. L. Woolever & Son, Lavonia, Mo. The top bull was Greencrest Revolution 20th, selling at $450 to John Q. Adams, Memphis, Mo. The 54 females averaged $291, with four bulls at $310 each and 58 lots at a general average of $292.40. These included several young cattle, some not highly fitted for sale. They went to buyers in Iowa, Missouri and Illinois.

A good crowd gathered at the farm of Clarence Smith, Jr., on the night of September 30, for his annual Chester White boar and gilt sale. Buyers from South Dakota and Minnesota purchased several head, with the bulk of the offering going to Iowa buyers. High-selling boar proved to be Lot 1, a top son of Ascender. Clifford Wills, Sibley, Iowa, paid $300 for this good prospect. George Attig, Sibley, Iowa, paid $250 for Lot 6, a litter-mate to the top-selling boar. R. F. Held & Sons, Hinton, Iowa, purchased the top-selling gilt by paying $180 for Lot 9, also a litter-mate to the top-selling boar. An attraction of this litter was that there were 12 in the litter, with 12 raised, and the 12 were sold at above average prices. George Attig also purchased the second high-selling gilt, paying $125 for Lot 25, a choice daughter of Exploiter Again. The 32 boars sold for an average of $126, with the 25 gilts selling for an average of $85.

Emmert Farms held their annual Poland China boar sale at the farm near Mason City, Iowa, October 13. Brown & Brown, Hampton, Iowa, topped the auction by paying $700 for an outstanding son of Mandarin, the 1948 Iowa grand champion boar. Gustave Johnson, LeMars, Iowa, paid $455 for a top son of Blood Bank, another popular Emmert herd sire. Wingert Bros., State Center, Iowa, gave $250 for a good prospect by Distinction. Boars sired by Big News, the 1948 Spencer Fair grand champion, also proved popular with the breeders and farmers. The 31 boars sold for an average of $160, with H. S. Duncan as auctioneer.

The Putnam & Halley(?) Hereford dispersion, at Bedford, Iowa, September 30, presented buyers an opportunity to secure well-bred cattle in pasture condition. Larry Blanchard 2d, the tried herd bull, sold for $400 to Kenneth Miller, Shambaugh, Iowa. Blanche Donald 3d, the top female, also went to Kenneth Miller. W. K. Taylor, Moorhead, Iowa, purchased nine head. George Stephens, Bedford, Iowa, also bought nine head. Wintermute & Ryan, Conway, Iowa, secured seven head. The 15 summer bull calves, off the cows, sold for $141.92 each and five heifer calves averaged $102. All the cattle except those bought by Mr. Taylor, Moorhead, Iowa, were taken locally. Auctioneer, J. E. Halsey, ably assisted by Wells Bros.

The Spotted Poland sale of A. J. Anderson(?) & Son, Kellogg, Iowa, October 13, was a huge success. Lot 19 went to Bob Walters at $1,625. The next top, another of like merit, went at $565 to Clifford Pirstock(?), Jolley, Iowa. The junior champion fall boar sold for $510 to Carroll Kettlehut, Walton, Neb. Fred Goodchild & Son, Mallard, Iowa, paid $420 for Lot 2. It was one of the great offerings of the breed, and buyers secured excellent values. The entire offering averaged $215.

The Walter Riebesell Duroc sale, held on the farm near Calumet, Iowa, October 1, drew an exceptionally fine day, which found many farmers busy in the fields. The attendance at the ringside was not large, but those who were there found many good bargains in this fine offering. Dick Hinkeldey, Alta, Iowa, purchased the Lot 23 boar, a son of Mr. Blue Print, for $185. Murrey Colbert, Montgomery, Mo., also paid $185 for a good prospect by the same sire. John Jackson, Meriden, Iowa, gave $175 for another by this sire. Gilts sired by Mr. Blue Print proved popular, as John W. Simpson, Edgerton, Mo., paid $200 for one and Ira Johnson & Son, Peter(?), Iowa, gave $190 for another. The 10 gilts averaged $114 and the 23 boars $122. John Hall was the auctioneer.

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Complete Dispersal of the Edw. M. Schneider Herd of Plainview, Minn.

41 REG. HOLSTEINS

22 YOUNG COWS, 16 to calve this fall.
1 open yearling.
8 heifers, 8 to 18 mos.
6 bull calves, 2 to 8 mos.
1 herd sire, 25 mos. old.

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SAT., NOV. 13

1:00 P. M. at Farm

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25 miles northeast of Rochester.

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MINNESOTA SALES CO.
Rochester Minnesota

V. O. TEIGEN Holstein Dispersal

30 REGISTERED HOLSTEINS

15 cows 5 yearling heifers
6 bred heifers 3 heifer calves
1 herd sire

444 LB. HERD AVERAGE

last year. Records up to 676 lbs. A type, well-bred herd representing 25 years of breeding. Carnation, Mastag and North Star blood lines.

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Milkman Burke Banner 973899, a 2-year old show bull by Pabst Burke Breeze, $9,400 son of the famous Wisconsin Admiral Burke Lad.

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BLOOD LINES

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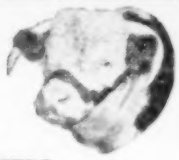

In Southwestern Minnesota Sale Pavilion

Worthington, Minn., Sat., Nov. 13th

23 GOOD BULLS — 20 CHOICE HEIFERS

A grand offering of richly-bred cattle, sired by **REAL PRINCE DOMINO 210th**, a son of Real Prince Domino 33rd; **REAL PRINCE 111th** by Real Prince 210th; **ANXIETY DOMINO 25th** and **BEAU DOMINO**. We offer a choice 3-year-old **BATTLE INTENSE 31st**, tried and proven. All bulls ready for service. Heifers include 15 bred, 5 open, mostly mated to **HELMSMAN 6th**, our junior herd sire, 2 bred to **BATTLE SPARTAN** and a few to **BATTLE INTENSE**. **IVAN E. PETERSON** offers 5 desirable cattle. Plan to come. Ask for **FREE** catalog. Please mention this publication. Address

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Rebawill Jersey Farm Dispersal!

IOWA CITY, IOWA, TUESDAY, NOVEMBER 23

At Farm, 3 miles east of Iowa City on Highway 6—12:30 P. M.

50 HEAD: PRODUCTION TESTED AND CLASSIFIED REGISTERED JERSEYS
20 Cows 24 Heifers (all ages) 6 Bulls

Several are sired by **ROYAL STANDARD DESIGN**, highest rating **PROVEN SIRE** in **IOWA** in 1947 over all breeds. Most of the younger females are sired by an excellent Five Star son of Brampton Royal Maid's Basil, excellent superior sire. The calves are sired by and many of the females are in calf to the Herd Sire, Noyle Advancer Lad, 1st prize 2-year-old, Iowa State Fair 1947. Practicing Calfhood Vaccination since 1940. All T.B. and Bang's Tested. The farm has been sold—everything goes—nothing reserved. For catalog write

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Auctioneer, Tom McCord, Montgomery, Alabama

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TUESDAY, NOVEMBER 23
RODNEY, IOWA

All foundation stock from Cooperdale Farms, Hartley, Iowa, and Plainview Farms, Sutherland, Iowa. All heifers calfhood vaccinated.

S. A. AND G. E. McMASTER, HORNICK, IOWA

International Sale

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9:00 A. M., STOCK YARDS

25 BULLS — 44 FEMALES

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85 Spotted Polands

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DAMS by
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Large, thrifty spring boars that will meet today's demand for type and quality. Cholera immune and guaranteed breeders. Bugle and Golden Jubilee breeding. Farm 25 miles north of Spirit Lake, Iowa; 4½ miles west of Lakefield. See these soon or write us your wants.
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selected from over 200 spring pigs. Held's Model, son of $3,200 Portage Model, and H. Sparkler Champ are crossing well on Balancer and other top blood lines. Priced to sell.

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Offering excellent spring boars and gilts of the same breeding that has won for me. TOP . . . awards Iowa, Illinois and Minnesota State Fairs and the NATIONAL Barrow show. I believe my winnings with these spring boars and gilts and Barrows . . . proves the QUALITY of my breeding stock. Write now for prices and COME inspect them.
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Well-grown, easy feeding boars mostly sired by SHOWMASTER and LAKESIDE DESIGN. Priced to sell. Write or visit farm.
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Choice purebred boars, double treated, erysipelas and cholera; fully guaranteed. Will ship on approval, if desired. Also several purebred SUFFOLK Rams.
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PUREBRED
YORKSHIRE BOARS & GILTS
Unrelated
The breed that produces and saves large litters of thrifty, fast growing pigs. Farm 1½ miles south.
MILO ZACH ROWLEY, IOWA

Buy More Bonds

YORKSHIRES

YORKSHIRE HOGS
Champion carcass over all breeders 1948 National Barrow Show. Our herd won more Championships and firsts at Illinois, Ohio and Maryland State Fairs than all others combined. Write for illustrated circular.
YALEHURST YORKSHIRE FARM, Peoria, Ill.

SPOTTED POLAND CHINAS

YES, I HAVE THEM
Spotted Poland Boars and Gilts
The best and only the best of my entire spring pig crop will be offered at private sale. Sired by Waymore by Prospect. Big husky boars, the type is right, the blood lines popular. Attractive prices. Write or come and see them. Farm 3 miles east, 1½ miles south of Elk Horn.
HAROLD SORENSON EXIRA, IOWA

SPOTTED POLAND CHINAS
I now offer the best boars and sows I have ever raised. 40 boars and 30 gilts at private treaty. Sired by Aller Cap, Twenty Grand and Crusader. Write or come. Address
WM. O. NOTZ CRESTON, IOWA

SPOTTED POLAND BOARS
Choice well-grown boars sired by BIG CHIEF, ADVANCER, and SQUARE SUPREME. Write or come see them. 5 miles north, 1½ miles east
ROBERT EDDEE & SONS
STORM LAKE IOWA

SPOTTED POLAND BOARS
35 Choice boars privately, same breeding sold in our recent sale—some sired by the great MASTER WAY—the greatest boar we have ever owned.
F. L. JACKSON & SON LYTTON, IOWA

REG. SPOTTED POLANDS
Boars and gilts for sale at all times, sired by a real set of herd boars. If you will come and look at them, I will show you boars that are perfect in every way. Priced so everyone can buy.
PETER WITT KEYSTONE, IOWA

PUREBRED SPOTTED POLAND CHINA BOARS AND GILTS. Large, well grown boars of right type. Sired by Super Sedes, by Midway and Liberty Boy by Square Supreme. Come, visit our herd—it will satisfy. Farm located on northeast edge of Clarion. Phone 253J.
MORRIS MILLER CLARION, IOWA

Excellent Spotted Boars
Choice boars privately by GLORY'S EQUAL and HONOR BOUND, two great sires. REASONABLE. Write or visit. Farm 1½ miles north.
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SPOTTED POLAND BOARS
50 Choice Boars, a lot of real husky, thick, easy-feeding boars.
PRICED RIGHT
HANSON BROS. GOWRIE, IOWA

BERKSHIRES

BERKSHIRE BOARS AND GILTS
Our market barrows swept the recent Iowa State Fair show. Sons and daughters of IOWA LAD, POST WAR, and others. Breeding and quality that will please. Priced to sell. Farm 2½ miles south.
HI-VIEW FARM
Eagle Grove Iowa

CHOICE BERKSHIRES
Excellent boars and gilts for sale now. Many are related to our 1948 Iowa Grand Champion boar. Best quality. Priced right. Farm ½ mile south, 3¾ miles east.
EUGENE E. FITZ
MELBOURNE IOWA

BERKSHIRE BOARS
Choice pure bred boars, well-grown, excellent breeding, best type and quality.
WHITE ACRES FARM
Wilber Van Der Kamp Sully, Iowa

BERKSHIRE BOARS
Choice Feb. and March boars
Good individuals with type, quality, size and rich breeding. Reasonable.
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EDELLYN ROYAL LEADER
The $7,200.00 Bull

A grand cow herd headed by great sires
Edellyn Marine Mercury
sire of top selling cattle and
Edellyn Royal Leader 29th
Choice young bulls and females offered. Write us your wants. Reasonable.
Ask for FREE catalog
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Goldfield, Iowa

GOLDFINDER'S CHAMPION

Outstanding herd, headed by
GOLDFINDER'S CHAMPION
International Champion. Good bulls and females offered.
CLAUSEN BROS. SPENCER, IOWA

EDELLYN ROYAL LEADER 31st

Choice, thick, well balanced bulls by
EDELLYN ROYAL LEADER 31st
and heifers by
EDELLYN RIVAL MERCURY
bred to "31st". Write
CHRIS M. GERST
Alton, Iowa

SPREADING ELM SHORTHORNS

VILLAGE VICTORIA 44TH

A grand herd, well-bred, pleasing in type and quality, headed by a great sire **GOLDFINDER EMBLEM**, sire of a top female at International. Write us.
DEWAR BROS., CHEROKEE, IOWA

SCOTSDALE BARON

A large herd headed by
SCOTSDALE BARON
(Imp. in Dam)
and
SCOTSDALE ADMIRATION
Young stock for sale
SWANSON BROS. ESTHERVILLE, IOWA

A son of
PRINCE WILLIAM (Imp.)
won grand champion at Ohio and Indiana State fairs. Buy your bull where they breed champions.

PRINCE WILLIAM (Imp.)

BEN G. STUDER WESLEY, IOWA

PERRY O. BROWN & SON
LAMONI, IOWA

Breeder of strictly high class Scotch Shorthorns. Our herd bulls are **VICTOR'S MANDATE**, a son of Haigler's Victor 2d and **NEWALLYN ROSEWOOD KING** by Newallyn Crocus King. Families: Rosewoods, Augustas, Claras, Princess Royals. Will have some outstanding club steers for sale this fall. Visitors always welcome.

MORLUNDA PRINCE PETER

by Calrossie Prince Peter (Imp.) heads our herd. Families, Claras, Broadhooks, Golden Chains, Nonpareils, Victoria, etc. Farm 10 miles west of Carroll on Highway No. 30.
H. R. LEITING. ARCADIA, IOWA

Cumberlands and Ransoms

Home of the above and families are Augusta, Gipsy Maid, Rosewood and others. Two good bulls and a few cows offered.
JOHN SAUNDERS & SON. MANILLA, IOWA

Breamor Starry Archer 9th

by Millhill Starry Archer (Imp.) sire of Congress Champion heads our herd. Two bulls by him. Reasonable. See them.
WILL A. DAVIS & SON. OAKLAND, IOWA

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Outstanding small herd of grand breed cows, herd sire BLYTHWOOD NATIONAL COMMAND. Write me for shorthorns.
MARTIN LUINSTRA. HARRIS, IOWA

PRINCE PETER

the Sioux Empire Champion, heads our herd. Offering some good young bulls and choice heifers. Reasonable. Write or see them.
RALPH BELLINGA HARRIS, IOWA

DON HILL ROYAL LEADER 9th

is at the head of our good cow herd. Choice Breeding stock at reasonable prices. See us for Shorthorns.
ROGER WALKER & SONS PAULLINA, IOWA

Metz Bros., Holstein, Iowa

Breeders of high class Shorthorn cattle. Two high class herd bulls at the head of herd. When wanting Shorthorns come and see us. Visitors always welcome.

GOOD YOUNG BULLS

by **Will-A-Dell Gold Plate**, a son of Gold Nugget and our other bull is **ICENI COMMODORE** (Imp.) by Calrossie Randolph. Dark red and roan calves approaching serviceable age.
H. K. OWENS HOMESTEAD, IOWA

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Herd Bulls—**Ideal Renown** by OAC Ransom 23d, **Don Hill Mercury 22d**, he by Dr. Donohoe's noted Mercury bull. Something to sell all the time. Come and see us.
BOCHMAN BROS. HOLSTEIN, IOWA

GOOD YOUNG BULLS

By **CURTIS CANDY MERCURY 2d**, a son of a Grand Champion. Best type and quality. REASONABLE.
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FLOYD FANNING, NEMAHA, IOWA

BAMPTON MAJOR (Imp.) sire of 1947 Iowa Reserve Grand Champion bull. Note type, depth and thickness.

FEMALES by **BAMPTON MAJOR** (Imp.) sire of champions.
Bred to **CORRIMONY EMPEROR** (Imp.), a choice dark roan.
Sale Oct. 30th
Young stock for sale
Write early for **FREE** Catalog
HELFRED FARM, R. 6, Des Moines, Iowa
F. W. Hubbell, Owner. Chas. Garden, Mgr.

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Herd bulls in service
MARELLBAR IAN and
CRUGGELTON PROUD PRINCE (Imp.)
Good ones, richly bred. One of the best herds in Iowa, representing leading families. The best bulls and females on the farm we have ever produced. Cattle for sale. Visitors always welcome. Come.
HELD BROS. HINTON, IOWA

Ten young bulls by our sire
EDELLYN CLIPPER MERCURY
are out for head of leading herds. Bulls and females for sale.
CLYDE PALMER
Harris, Iowa

EDELLYN CLIPPER MERCURY

A well bred herd headed by
DON HILL ROYAL LEADER 12th
Offering some excellent young bulls and females. Reasonable. Write or visit the farm.

Don Hill Royal Leader 12th

M. W. SMITH PAULLINA, IOWA

Sni-A-Bar Regal Mercury

A son of Edellyn Campeon Mercury and ¾ brother to Sni-A-Bar Control, International Champion, heads our herd. A choice young bull for sale.
DANIEL E. BOWER & SON, MASSENA, IOWA

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STARDALE LEGEND

Choice Polled Bulls by
MISTY VALE COMMANDER
and females mated to
STARDALE LEGEND.
Reasonable.
FRANK DEMPSTER
ARLINGTON, IOWA

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Choice quality, rich breeding. Reasonable. Phone, wire, or write
BERT A. HANSON
VERNON CENTER MINNESOTA

E. P. Laughlin, Imogene, Iowa

Forty years breeding the leading families in Polled Shorthorns, and selling the best cattle. Bulls in service, Collynie Express, a son of Collynie Conquest at head of herd and Masterpiece, by Coronet Memory, International winner. Come and see us.

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RAISE MILKING SHORTHORNS
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Fine selection of beautiful Wisconsin Holstein heifer and bull calves. Fifty on hand at all times. Registered or High Grade. Well started, no milk required.
Send for Pictures and Price List.
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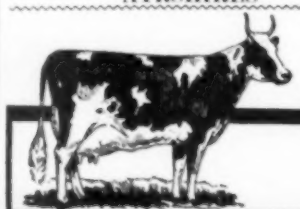

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Write for literature and list of breeders near you with stock for sale.

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4% MILK

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DUROC JERSEYS

FANCY LEADER

Over 30 years of breeding quality
DUROCS
Sale at farm
NOVEMBER 10
You will like the offering.
JUHL BROS. LUVERNE, MINNESOTA

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Well-grown, thick
DUROC BOARS
mostly sired by
THE FUTURE
priced to sell.
Let us know your needs as you will like the uniform quality.
WALTER RIEBESELL CALUMET, IOWA

Big, rugged
DUROC BOARS
with style and quality backed by proved blood lines. See these before you buy. They will please. Priced reasonable. Write or visit.

OAKDALE ROYAL TOPS

W. H. HELMKE & SONS RENWICK, IOWA

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600 DUROCS

The pick of **600** at Private sale. Best boars and gilts offered, sired by sons of **FANCY LEADER**, 1947 Minnesota Grand Champion; **PROUD WAVEMASTER**, 1944 Indiana Grand Champion; **TAZEWELL PROMOTER** and **PROUD CHERRY MODEL**. Best in breeding type and quality. Priced to sell. Farm located 2 miles east and 2 north of Altoona, Iowa. Phone 3264 Mitchellville, Iowa.
GLEN GRANT, RFD. MITCHELLVILLE, IOWA

DUROC BOARS

Extra rugged boars and some choice typy gilts sired by **THE PILOT** and other leading boars of the breed. See these before you buy. Priced reasonably. Visitors welcome.
BERT BROEK & SONS
Sioux Center, Iowa

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40 HUSKY DUROC BOARS

Good thick meat type Durocs, the kind that have made our herd famous for over 50 years. They have proved their ability when it comes to producing pork. Also spring gilts.
CAMERON BROTHERS HERMAN, NEBR.

Duroc Boars and Gilts

Sired by **SMOOTH MODEL**. Outstanding quality, priced to sell. 7 good fall boars that will please. Write or visit the farm.
DOWIE E. SMIT HULL, IOWA

DUROC JERSEY BOARS

Selling privately ten Duroc boars of 200 spring pigs. Herdsires, **RED KING, JR., PROUD CLIMAX, CORNBELT.** They are the thick-easy-feeding type.
N. W. TOPF & SONS SALIX, IOWA

---

30 DUROC JERSEY BOARS

I am now ready to sell the best lot of boars I have ever raised. Write me or come and see them.
O. S. LARSON LOGAN, IOWA

DUROC BOARS AND GILTS

Sired by **N. P. ROYAL TYPE.** Extra dark red, nice heads, wide backs, lots of length, 12 nipples, weighing 300 lbs. and up. Cholera immune. REASONABLE.
VINCENT DRUMMY RYAN, IOWA

DUROC JERSEY BOARS

At private sale. Well grown and popular blood lines. Sired by **Invincible Orion, Mr. Blue, Golden Price 2d, Model Buy King.** Write or come see them. Address the
E. M. REICHERT ESTATE CORNING, IOWA

DUROC BOARS AND GILTS

Quality breeding stock of proven blood lines. Priced to sell. Write or visit.
HENRY KRULL BUFFALO CENTER, IOWA

DUROC BOARS AND GILTS

Large well grown boars mostly sired by IOWA PRINCE. They are the easy feeding kind—popular with the farmer. Reasonably priced. Write or visit.
CORWIN C. PEER ALGONA, IOWA

MINNESOTA NO. 1 HOGS

MINNESOTA NO. 1 HOGS

25 choice registered spring boars and 25 gilts. Large litters, easy feeders, reasonable prices.
E. M. WRIGHT, R. 4, WATERLOO, IOWA

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Choice registered spring boars. Can furnish unrelated gilts. Six miles S. E. Cedar Rapids, one mile south of Bertram. Phone 3-8027.
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CHOICE HEREFORD BOARS

Very good for cross breeding at the Iowa State Fair. We got 37 ribbons this season for choice Hereford Boars out of First Prize Sire. Call or write.
JOHN C. SCHULTE & SONS, NORWAY, IOWA

REGISTERED HEREFORD BOARS AND GILTS

Big growthy, easy feeding individuals sired by Modern Prince, the boar that sired the Champion Hereford Barrows at the Iowa State Fair and the National Barrow Show. Guaranteed Breeders. Will ship on approval.
SELLERS BROS. CHARITON, IOWA

DAISY Cattle Markers
COMPLETE WITH CHAIN. Brass tag for HORNS and neck. Write for folder.
GOLDEN ARROW FARMS
Dept. 25 Huntington, Ind.

Top selection of spring DUROC BOARS available.
Herd sire:
GOLDEN BLOCK,
an outstanding sire.
Priced to sell.
Write or visit.

GOLDEN BLOCK

MELVIN JENSEN EVERLY, IOWA

POLAND CHINAS

Offering well-grown quality
POLAND CHINA
boars reasonably priced. The home of **MANDARIN**, Iowa Grand Champion, **BIG NEWS**, the Spencer Fair Grand Champion, and the great breeding boar, **BLOOD BANK.** Visit the farm.

BLOOD BANK

EMMERT FARM MASON CITY, IOWA

50—POLAND CHINAS—50

Top boars and choice gilts, the pick of 120 head sired mostly by Sparkler, litter mate to Iowa Junior Champion 1947. Best produced in 30 years. We bred the Halstead FFA litter that won championships on three barrows at Iowa State Fair 1948. Included grand champion FFA barrow over all breeds and champion pen of Poland China barrows open class. Cholera immuned. Priced reasonable.
W. A. LAUER & SON
West Union, Iowa

POLAND CHINA BOARS

We offer a grand selection of large spring boars from a big herd. 50 years as breeders of quality Poland Chinas. Priced reasonable. Visitors always welcome.
H. F. OLERICH & SONS& ROLFE, IOWA

QUALITY POLAND CHINAS

Bred, fed, and developed for their future usefulness. Quality breeding stock of proven blood lines. Prices reasonable.
LOUIS J. REILLY LONE ROCK, IOWA

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30 POLAND BOARS

March farrow. The best I ever raised. Big, smooth, easy-feeding kind sired by Grand Slam. The top in Supple's Sale. New blood guaranteed. Ship anywhere. Come, phone, write.
VINCENT MANDERSCHEID Maquoketa, Iowa

SPOTTED POLAND CHINAS

SPOTTED POLANDS

That please the farmers and breeders at reasonable prices. Breeding stock by **BIG CHIEF** out of dams by the **ROCKET** can be depended upon. New blood for old customers. Visit the farm or write.
FRED GOODCHILD & SONS
Mallard, Iowa

INDICATOR

is the chief sire of our choice sale offering the night of OCTOBER 23. Ask for **FREE** catalog. Breeders of Spotted Polands that do well for others.
E. C. MARTY & SONS LUVERNE, IOWA

SPOTTED POLAND CHINAS

of consistent production and quality. Leading blood lines combined with easy feeding ability. Farm located 10 miles north of state line.
KARL E. CARLSON LAKEFIELD, MINN.

Spotted Poland Boars

Choice registered boars, well-grown, strong blood lines. 26 years as a breeder of "Spots." We invite your inspection.
CLYDE PETERSON **LAURENS, IOWA**

CHESTER WHITES

MODEL CHIEF

65 CHESTER WHITE BOARS
Top outstanding offering as March and April farrow. Sired by Performance Chief 558527, Combination 546415, and Model Chief 549743. Anyone looking for a good herd boar, well grown and the type in demand today with a well balanced body formation and uniformity. Depth of body, sound good bone and feet, with smoothness, size and quality all the way around. Should inspect our herd. Herd Immunized. New Blood for old customers. Reasonable Prices. Pedigrees furnished. 44 year Breeding purebred Chesters. Visit us at your convenience.
F. H. SCHMADEKE & SONS, Clarksville, Iowa

IOWA CHIEF
Iowa Junior Champion

CHESTER WHITES
The best in Chester Whites. One of the finest herds where top quality is produced. Rich breeding, excellent quality.
SALE OCT. 6
Write us.
C. T. KEEN & SONS LeGRAND, IOWA

PRIZE WINNING CHESTERS

I am now ready to sell boars out of my prize winning sows. I had the grand champion sow at the Iowa State Fair this year. Offering some good prize winning boars. Write or come and see me.
ROY V. COPP GLIDDEN, IOWA

MONTANA BLACK HI-BRED BOARS FOR SALE

Commercial Hog Breeder: See this latest strain of Hi-Bred Boars at our farm. The Hamp-Landrace strain developed by the U. S. Experimental Station, Miles City, Montana, for larger litters, fast gains, and meat market type. For faster gains cross your sows with one of our **MONTANA BLACK HI-BRED** Yearling or Spring Boars. Pick your choice early.

Farm Service & Supply Co.
Phone 16
Alden, Iowa

Service — that money can't buy — is yours when you deal with your LOCAL HARDWARE DEALER

Coming Livestock Sales

ABERDEEN ANGUS

Nov. 8—Ernest Peters & Son, Camden, Ill.
Nov. 9—Chariton Valley Breeders Assn., Kirksville, Mo.; Otto Shinn, Secy.
Nov. 10—Southside Stock Farm, Rockbridge, Ill.; sale at Carrollton, Ill.
Nov. 15—S. H. Stanley & Son, Gentry, Ill.; sale at Maryville, Mo.; Harry Sheets, Mgr., Eagleville, Mo.
Nov. 19—Dispersion, Roy W. Hustead, W. L. Johnston, Rutledge, Mo.; sale at Memphis, Mo.
Dec. 2—International "Show Window" Sale, Chicago, Ill.; Frank Richards, Secy., 7 Dexter Park Ave.
Feb. 17-18-19—National Memorial Building Fund Sale, Chicago, Ill.

HEREFORDS

Nov. 13—John H. Block and Ivan E. Peterson, Worthington, Minn.
Nov. 26—Circle A Hereford Farm, Morris, Ill.
Dec. 8—Botna Valley Assn., Exira, Iowa; Harvey W. Johnson, Mgr.
Jan. 3-4—Sioux City, Iowa; Iowa Hereford Cattle Breeders Assn., F. W. Ketelsen, Everly, Iowa, Secy.
Jan. 5—Ralph Hilyard, Cumberland, Iowa.
Jan. 5-6—East-Central Iowa Breeders Show and Sale, Davenport, Iowa; Roy Wiese, Mgr., Donahue, Iowa.
Jan. 11—Adel Hereford Sale, Adel, Iowa; Albert DeWitt, Mgr., Perry, Iowa.
Jan. 24-25—Iowa State Show and Sale, at Des Moines, Iowa; J. C. Holbert, Mgr., Box 492, Washington, Iowa.

POLLED HEREFORDS

Nov. 10—Hervale Farms, Leland W. Herman, Wayne, Neb.
Dec. 4—Lowell A. Crusius, El Paso, Ill.
Dec. 6-7—Iowa Polled Hereford Assn., Des Moines, Iowa; Leigh Curren, Secy., Mason City, Iowa.
Feb. 10—Northwest Polled Breeders Assn., at Sioux City, Iowa; Ed Krise, Sale Mgr., Rock Rapids, Iowa.

SHORTHORNS

Dec. 1—International Congress Sale, 9 a. m., Chicago, Ill.; C. K. Tomson, Mgr., 7 Dexter Park Ave.
Jan. 11—Tri-State Breeders, Sibley, Iowa; Albert Hamman, Mgr., Rock Rapids, Iowa.
Feb. 16—34th Annual Spring Show and Sale, South Omaha, Neb.; Merv. F. Aegerter, Mgr., Seward, Neb.

POLLED SHORTHORNS

Dec. 2—International Sale, 9 a. m., Chicago, Ill.; C. D. Swaffar, Mgr., 7 Dexter Park Ave.
Dec. 3—G. W. Zinnell & Son, Rockwell City, Iowa, and Otto Johnson, Lohrville, Iowa; dispersion sale at Carroll, Iowa; Merv. Aegerter, Mgr., Seward, Neb.
Feb. 15—Hawkeye Downs Annual Show and Sale, Cedar Rapids, Iowa; Earl S. Girton, Sale Mgr., Box 282, Marshalltown, Iowa.
Feb. 17—34th Annual Spring Show and Sale, South Omaha, Neb.; Merv. F. Aegerter, Sale Mgr., Seward, Neb.

DAIRY CATTLE

Nov. 9—Carl J. Landswerk & Son (Ayrshire Dispersal), Cresco, Iowa; Richard M. Sears, Sale Mgr., Grinnell, Iowa.
Nov. 10—LaCrosse County Guernsey Breeders, West Salem, Wis.; Vilas E. Young, Secy.
Nov. 11—LaCrosse County Semi-Annual Sale of Guernseys, West Salem, Wis.; Vilas E. Young, Secy.
Nov. 12—Harry E. & Cecelia J. Buffum's Jersey Auction, LeRoy, Iowa; sale at Humeston, Iowa; Ivan N. Gates, Sale Mgr., West Liberty, Iowa.
Nov. 13—Edw. M. Schneider, Plainview, Minn. (Holstein Dispersal); Minnesota Sales Co., Rochester, Minn.
Nov. 15—Ayrshire Imported Canadian Cattle, Omaha, Neb.; H. C. McKelvie, Mgr.
Nov. 20—Fourth Dairyland Sale, Waukesha, Wis.; Phillips Sales and Pedigree Service, Mgrs., Waukesha, Wis.
Nov. 20—V. O. Teigen, Jackson, Minn. (Holstein Dispersal); Minnesota Sales Co., Rochester, Minn.
Nov. 22—Holstein Dispersal, S. A. McMaster and G. E. McMaster, Hornick, Iowa; sale at Rodney, Iowa.
Nov. 23—Rebawill Farm Jersey Dispersal, Iowa City, Iowa; Ivan N. Gates, West Liberty, Iowa, Sale Mgr.
Nov. 27—Complete Dispersal of Rebawill Jersey Farm (W. S. Morrison), Iowa City, Iowa; Ivan N. Gates, Sale Mgr., West Liberty, Iowa.
Nov. 29—Chet Doebell (Holsteins), Manly, Iowa; Claude E. Wylam, Mgr., Waverly, Iowa.
Dec. 4—"Parade of Holstein Bulls," Show and Sale, Waterloo, Iowa; Claude E. Wylam, Mgr., Waverly, Iowa.

BERKSHIRES

Feb. 15—W. H. Zeismer & Son, Colo, Iowa.

CHESTER WHITES

Feb. 10—Roy V. Conn, Glidden, Iowa.
Feb. 11—C. T. Keen & Sons, Legrand, Iowa.
Feb. 19—Albert H. Stuart, Newhall, Iowa.

DUROC JERSEYS

Nov. 10—Juhl Bros., Laverne, Minn.

HAMPSHIRES

Nov. 6—Night Sale, Dave Livingston, Linlithgow Farm, Washington, Iowa.

SPOTTED POLAND CHINAS

Nov. 8—Forrest Green, Orient, Iowa.
Nov. 10—Night Sale, R. A. Faber & Sons, Moravia, Iowa; sale at Albia.

SHEEP

Dec. 1—Shropshire Breeders, Curtiss Candy Farm, Cary, Ill.; 7 p. m.; Gavin McKarrow, Sale Mgr., Pewaukee, Wis.
Dec. 6—International Hampshire Bred Ewe Sale, Oskaloosa, Iowa; Perry Ewing, Jr., Columbia, Mo., Mgr.
Dec. 7—Oskaloosa Sheep Breeders Bred Ewe Sale.
Dec. 8—North American Suffolk Bred Ewe Sale, Oskaloosa, Iowa; Perry Ewing, Jr., Columbia, Mo., Mgr.

Livestock News

The Chester White sale of Ted Trowbridge, Marshalltown, Iowa, the night of October 8, brought out a large attendance. He presented a fine offering. The top boar, Lucky Lad, by Lucky, sold for $[illegible] to Boulton & Gunderson, of Porter, Minn. Lot 11, by the same sire, was the favorite of many, and brought $340, going to Henry Dickinson, Sabula, Iowa. Lot 15 went for $220 on order. Lot 16 sold for $155 to Walter Clayton, Brooklyn, Iowa. Lot 7 went for $155 to Joe Arends, [illegible], Iowa, with Lot 14 going to F. H. Schmadeke & Sons, Clarksville, Iowa, at $135. The top gilt, Lot 41, a daughter of The Producer, sold for $105 to Ralph Lanigan, Fairbank, Iowa. The offering went to buyers in Iowa, Minnesota and Illinois. All but one went to buyers in attendance, that one being bought on order. The 27 boars averaged $[illegible], with 17 gilts at $88 each. Auctioneer, Dale Mason, ably assisted by his son, [illegible] Mason.

LIVESTOCK FIELDMEN

M. T. WHITE, 604 No. Fortieth St., Omaha, Nebraska. Phone Walnut 1056.
[illegible], 1912 Grand Ave., Des Moines.
M. W. BONEY, Box 740, Storm Lake, Iowa; Phone 970-R.

We publish the FIRST and THIRD Saturday of each month. Copy for livestock advertising must reach our office FIFTEEN days before date of issue.

Around the Farm AND IN THE Feed Lot

by HOWARD MARSHALL

WINTER is just around the corner. Not a happy thought, but we might as well be realistic about it—and that means getting out the old sheepskin and putting some straw or other "stuff" around the pump stand, and a lot of other things. As far as the feed lot is concerned, we all know good feeding will make the winter a lot less severe for stock and poultry. Good housing is equally important — so let's get the old battens nailed down, and the windows tightened up, and anything else we can do to make the barn, hog house and poultry shed "winter-proofed."

THANKSGIVING DINNER tables will have fewer turkeys for centerpieces this year. Reflecting the high feed prices and unfavórable growing conditions of the past season, the nation's turkey crop is down 10 per cent this year, making for the smallest total numbers in a decade. In Iowa, the decline figures to 26 per cent.

WHEN HOG PRICES plunged from $6 to as much as $9 in about a week's time last month, farmers started reviewing the hog price support program very seriously. Based on that 90 per cent of parity figure, supports will range from an early November level of $16.25, Chicago basis, to $15.25 late in December, and then back up to $17.50 by April 2, 1949.

NOW THAT COLD weather is here, Walnut Grove Mineral feeders realize that, more than ever, Walnut Grove is needed in the mineral to help keep their pigs in thrifty, growing condition. Walnut Grove users in Chickasaw county, Iowa, who use Walnut Grove in all their feeding plans, among others, include Louie and John Gabel, brothers on two farms, Ervin Habella, Mrs. Frank Swale, Lynn Grove, Gale Hoffman and Frank Gabel. This business is handled for us by our representative in that territory, Harry McConkey, of New Hampton, Iowa.

MORE EFFICIENCY from farm tractors can be anticipated as the result of a new invention. A machine recently perfected registers amount of draw-bar pull, traction, and slippage of tires in relation to power applied. Results from this new gadget are expected to help manufacturers design and build better motors and tires, for maximum efficiency with a minimum use of fuel. All that we need now is more of them—tractors, that is.

GOVERNOR SIGLER, of Michigan, recently auctioned off that state's grand champion baby beef. He did a swell job, too. When the bid went to $5.50 a pound, the good governor ruled "sold." However, when it came time to settle up for the baby beef, it was discovered that the buyer was an old-age pensioner who slightly misunderstood the terms of the sale. It seems he thought the $5.50 was for the animal rather than per pound. It looked like a bargain for a while.

AS STATED BEFORE, one of the outstanding characteristics of Walnut Grove Minerals is that it will fit into any feeding plan. In other words, Walnut Grove is palatable. Among many customers in Winneshiek and Fayette counties, Iowa, who fit Walnut Grove into all their feeding plans, are August Hageman, Lyle Brietsprecher, Neils Houlthouse, Ed Hageman, Frank Hunecker and Julian Hove. Our long-time representative in this territory is Louis Zweibahmer, of Calmar.

RAT CONTROL will be more important than ever in the year ahead. With so much temporary corn storage coming up, rats will have smooth sailing unless we stress control better than in the past. Rats destroy close to 80 million dollars' worth of grain on Iowa farms each year. Cleaning up rat areas, prebaiting, and then spreading poison, are the steps suggested to cut down this staggering loss.

WE ARE STILL LOOKING for a few additional good men to represent Walnut Grove in several Iowa areas. Selling our product is an opportunity both for profit and for service. It is pleasant work, too, in that it keeps our men in touch with the progressive livestock men in their community.

IT REALLY DOESN'T make any difference where farmers and livestock men live in the Corn Belt. Their enthusiasm for Walnut Grove Minerals is the same. Take in Adair county, Iowa, for instance, among our many Walnut Grove users there we find W. L. Kluever, C. E. Boot, Lyle Johnson, Guy Keith, Marvin McBride, Ralph Price, and J. R. Mallott. Ford Dorsey, of Greenfield, is the man who looks after this business for our company.

PINK ELEPHANTS and purple cows usually are considered a joke, but a very sober Florida scientist, Dr. George Davis, reports that a deficiency of copper in grass on muck soil can also turn black-colored animals into a sort of purplish hue. Moreover, the copper deficiency caused the bones in those Florida cattle to become brittle. Addition of copper sulphate, one of the regular ingredients of Walnut Grove Minerals, very quickly changed the Florida cows from purple back to black.

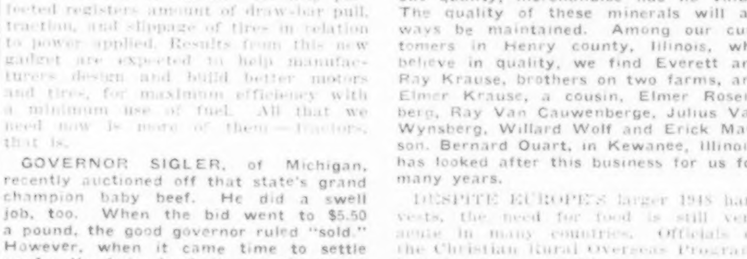
WE ALL KNOW about the "apple-a-day" theory. Well, now it looks like the poultry people have launched an "egg-a-day" plan. Since 1940, our annual per capita egg consumption has gone up from 300 to 380 eggs. The vast expansion in appetite for the "sunny-side-ups" is partially due to the higher costs of meat, but poultrymen are determined to maintain their gains. January 1st goals are for 425 million hens and pullets.

ONE OF THE OUTSTANDING characteristics of all minerals manufactured by the Walnut Grove Products Company is the quality of these products. The company has always believed that, without quality, merchandise has no value. The quality of these minerals will always be maintained. Among our customers in Henry county, Illinois, who believe in quality, we find Everett and Ray Krause, brothers on two farms, and Elmer Krause, a cousin, Elmer Rosenberg, Ray Van Cauwenberge, Julius Van Wynsberg, Willard Wolf and Erick Matson. Bernard Ouart, in Kewanee, Illinois, has looked after this business for us for many years.

DESPITE EUROPE'S larger 1948 harvests, the need for food is still very acute in many countries. Officials of the Christian Rural Overseas Program, best known as CROP, have announced a goal of 300 carloads of food contributions from Iowa alone this fall. Catholic and Protestant churches and 15 farm and community organizations are cooperating in the campaign, which starts soon.

A FLYING VISIT to Europe is being planned by some 25 Nebraska and Iowa farmers this coming month. The tour is being directed by Radio Station WOW, of Omaha, and will find the group visiting farms in England, France, Holland, Belgium, Luxemberg, Switzerland and Italy. Effects of the European Recovery Program are to be studied and reports on observations will be made by each of the "flying farmers" on his return to the United States.

JUST TO SHOW how well some sows meant this fall, here are two reports from Linn county, Iowa. On the Louis Petrak farm, near Alburnett, 21 pigs were farrowed by one sow. Meanwhile, on the Al Witousek farm, near Cedar Rapids, a sow farrowed 10 pigs one week and 14 more the next. Last reports told that 23 of the 24 pigs were still living. That's taking the increase in pork production pretty seriously.



Livestock News

Oscar Larson & Sons held their annual Poland China sale at the farm, near Clarion, Iowa, on the afternoon of October 12. Penningroth Bros., Wellman, Iowa, paid the top price of $440 for Masterstroke, the first prize junior boar at Spencer, Iowa, sired by Masterpiece. Floyd Olson, Sandy, Utah, paid $305 for Showplate, second prize boar pig at the Iowa State Fair, sired by Showpiece. Gus Carlson, Emmetsburg, Iowa, gave $250 for the fall boar, Best Look, a full brother to Sweet Look, the junior champion gilt and reserve grand champion sow at the recent Iowa State Fair. The 25 boars averaged $133, with the nine gilts averaging $110. H. S. Duncan, auctioneer.

The Hereford calf sale of [illegible]. G. Murray, Oxford Junction, Iowa, October 16, was most successful. The top, Lot 33, a heifer calf dropped in April, by Seth Elation, sold for $400 to Willis Glenn, Olin, Iowa. She was a real prospect and will be shown in 1949. The top bull, Lot 23, a son of Seth Elation, brought $330, and went to Earl Harring, DeWitt, Iowa. Mr. Harring also selected Lot 11, a heifer calf by WHR Compact Seth, at $350. R. A. Black & Sons, Farnhamville, Iowa, secured Lot 8, a heifer, at $385, which was by Seth Elation. The 33 lots averaged $291. Auctioneer Steve Hart.

With a good attendance at the Etnyre Hereford Farms sale, near Oregon, Ill., October 14, 56 head of Herefords were sold in every-day breeding form. T. R. Sorensen, Monee, Ill., paid $510 for a five-year-old daughter of Colorado Domino, selling with a good bull calf at side by Domino Woodford. LeRoy Marcus, of Lamotte, Iowa, paid $500 for a daughter of WHR Valiant Star, selling with a good calf at side, sired by WHR Jupiter Domino. Hugh Neely, Seward, Ill., paid $600 for a two-year-old bull sired by WHR Jupiter Domino. The two bulls averaged $515, with the 54 females averaging $327, making a general average of $334 on the 56 lots.

A very large attendance was on hand at the Fred Goodchild & Sons farm, near Mallard, Iowa, on the evening of October 8, for their annual Spotted Poland boar sale. Sons of Big Chief, the popular Goodchild herd sire, proved in high demand. Clyde Hindmarsh, Fremont, Neb., paid the top of $330 for the first boar in the ring. Other sons of Big Chief sold rapidly, with Max Christensen, Ventura, Iowa, paying $310; W. C. Axline, Sparta, Ill., $305, and Bruno Roll, Fulda, Minn., $280. The 49 boars sold for an average of $155. Chas. Taylor was the auctioneer.

"Life" of Soil

Humus content and mineral fertility are the "life" of soil, says Dr. W. A. Albrecht, world-famous soil expert at the University of Missouri agricultural college.

Humus in soil means a good, mellow structure, with its fertility available to plants. Such a soil burns its humus and keeps air drafts open to help this microbial service.

Lack of humus gives soil its run-together quality, shuts off air drafts and takes the life out of the soil. Then large yields are no longer possible.

No Known Cure

There is no known cure for brucellosis (Bang's disease) in livestock. The disease can be rough on humans, too.

If a cow or hog ever has brucellosis, the odds are that it will carry the germ the rest of its life, even tho a cow may drop normal calves. Only 8 to 10 per cent of the animals infected ever fully recover.

Most severe type of brucellosis to humans, but also the rarest, is the strain infecting goats. Fortunately, the only areas in North America where goats have been found suffering from brucellosis are Mexico and the states along the Mexican border.

Next most severe to humans is the hog type. Outbreaks of this type have occurred from time to time in Iowa. Least severe, but most widespread, is the strain infecting cattle.

Farms Get Bigger

A slight but steady Iowa trend toward larger farms and greater mechanization is revealed by the 1947 Iowa Farm Census.

Average size of Iowa farms from 1936 to 1945 was 164 acres. This has climbed acre average in 1947. Number of farms toa 168-acre average for 1946 and 169.8-acre average in 1947. Number of farms has declined from a 1936-45 average of 209,982 to 206,155 in 1944 and 204,208 in 1947.

Tractors have increased from a 1942-46 average total of 159,692 to 187,645 in 1947 and 200,043 as of January 1, 1948. Grain combines have found favor, too, as their numbers increased from a 1942-46 average of 18,146 to 27,219 in 1947 and 32,677 in 1948.

Corn-pickers numbered 35,760 on the 1942-46 average. In 1947, Iowa farmers owned 53,801, and in 1948 they owned 62,907.

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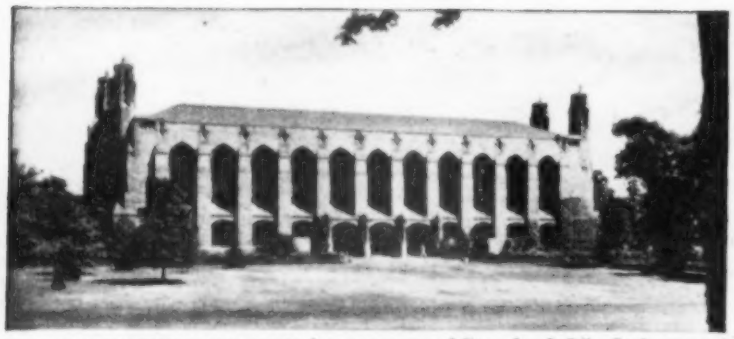
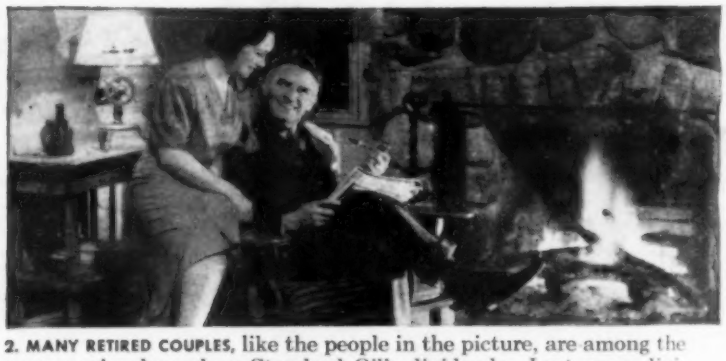
"Northwestern for her pretty girls"

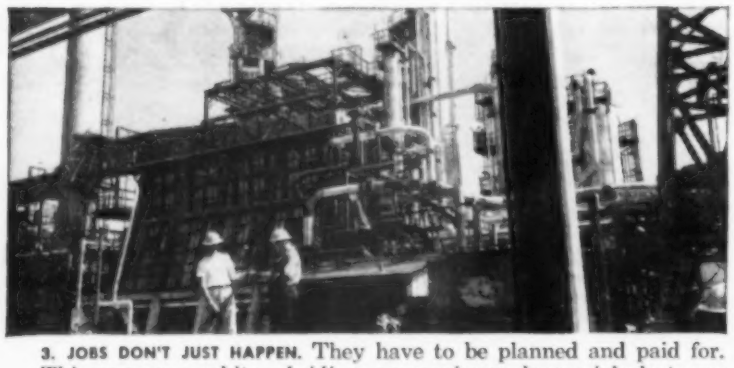
So runs a well-known college song—and you'll find the song is right if you visit Northwestern's beautiful campus in Evanston, Illinois. This outstanding university is known for its high-ranking Schools of Commerce, Journalism, Engineering, Law, Medicine, Dentistry, and others; and for Charles Deering Library, pictured at left below.



1. NORTHWESTERN UNIVERSITY is an owner of Standard Oil. It is one of the 167 educational institutions which are stockholders. The total number of colleges, insurance companies, philanthropic organizations, individuals and others who own this company is 97,000! No institutional owner has as much as 5% of the stock; no one man or woman owns as much as 1%.



2. MANY RETIRED COUPLES, like the people in the picture, are among the owners who depend on Standard Oil's dividends. Last year, dividends averaged $314 per owner. This is a return on money provided to create jobs and make production possible. The average investment of $24,600 in tools and equipment, for each of our 46,000 employees, is almost four times the average for all industry.



3. JOBS DON'T JUST HAPPEN. They have to be planned and paid for. This company and its subsidiary companies made new jobs last year by spending over twice our net profits for new refinery units like the one above, for new oil wells, pipe lines and many other items to help increase output. Over two-thirds of this money came from borrowings and earnings.

4. MORE PETROLEUM PRODUCTS are available to you this year because of Standard Oil's expenditures. This money helps assure the jobs and security of our employees, the income of our owners, and the supply of petroleum products so urgently needed by you and the nation. Standard Oil employees and owners are cooperating to meet your increasing demand.

Standard Oil Company

(INDIANA)

STANDARD

STANDARD SERVICE